Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 150 No. 16 October 14, 1946

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Specific Gravity, Liquid (350 psi, abs.) at 25/4°C 1.8
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$RCH = CH_2 + HBr \xrightarrow{\text{peroxide}} RCH_2CH_2Br$

$CH_2 = CHCH = CH_2 + HBr \xrightarrow{\text{antioxidant}} CH_2 = CHCHBrCH_3$

$CH_2 = CHCH = CH_2 + HBr \xrightarrow{\text{peroxide}} CH_3CH = CHCH_2Br$

Reaction with Alcohols:

$RCH_2OH + HBr \longrightarrow RCH_2Br + H_2O$

Reaction with Esters:

$RCOOR' + HBr \longrightarrow R'Br + RCOOH$

Reaction with Anhydrides:

$(RCO)_2O + HBr \longrightarrow RCOBr + RCOOH$

Reaction with Aldehydes and Substituted Aldehydes:

$RCHO + HBr \longrightarrow RC(H)(Br)(OH)$

$CCl_3CHO + HBr \longrightarrow CCl_3C(H)(Br)(OH)$

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Oil, Paint and Drug Reporter

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Soda Ash Producers Urged to Up Output

OPD Washington Bureau

Producers of soda ash were urged to step up their supply of that material to the aluminum industry at a meeting of the Soda Ash Section of the Chlorine-Alkali Industry Advisory Committee with the Civilian Production Administration October 10.

Another meeting has been scheduled for October 17, when members of the committee are expected to reveal whether they are in a position to increase shipments to the aluminum manufacturers on a voluntary basis.

CPA officials urged the "voluntary basis" plan but indicated that some sort of government control might be imposed if the aluminum industry did not get its requirements of soda ash.

Basis for the CPA request is that larger quantities of aluminum are required for the veterans housing program. It was reported at the meeting that the aluminum manufacturers are using at present some 110,000 tons of soda ash but require about 182,000 tons.

American Potash Names Armour Board Chairman

Bernard R. Armour, president of the Heyden Chemical Corporation, has been elected chairman of the board of directors of the American Potash & Chemical Corporation, it was announced today by Frederick Vieweg, president of the company.

The Heyden Corporation owns a substantial amount of outstanding American Potash stock. The new chairman succeeds W. J. Froelich, who resigned.

Dr. Donald B. Keyes, a vice-president of the Heyden Company, and William S. Glazier, a partner of Lehman Brothers, were elected to the board. Dr. Keyes and Robert Brown, a partner of Kuhn, Loeb & Co., were named to serve on the board's executive committee.

Resignations of three other members of the board, Philip W. Collins, S. James Crowley and John P. Wagner, also were announced.

Linseed Replacement Oil Price Rule Revised

Manufacturers of linseed replacement oil have been authorized by the Office of Price Administration to sell and deliver their product on an adjustable pricing basis. The action, effective October 10, 1946, follows OPA's move to allow adjustable pricing on linseed oil, which is the main materials cost factor in linseed replacement oil. The adjustable pricing basis will assure continued production of linseed replacement oil for paint manufacturers until a maximum price for linseed oil is determined.

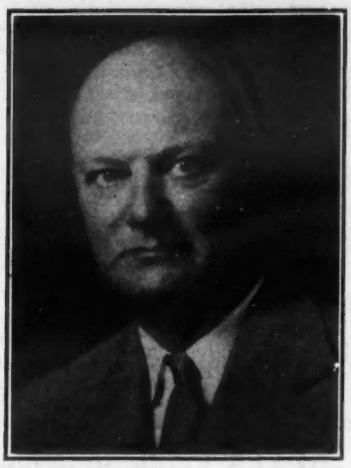
Those selling under this new action may collect and purchasers may pay no more than the current maximum prices pending the establishment of new price ceilings. The action will be revoked as soon as OPA sets a new maximum price for linseed replacement oil.

Glenn Martin Names Curtis Plant Head

Glenn L. Martin Company has named Henry S. Curtis, formerly with Westvaco Chlorine Products Corporation, New York, as manager of the new $1,500,000 vinyl-type synthetic resins plant under construction near Painesville, Ohio. It is expected that the plant will be completed soon after the first of the year.

Robert H. Kitter, formerly associated with American Hard Rubber Company, Akron, Ohio, is manager of the plastics and chemicals division of the company, Emile W. Milen will supervise production, and Dr. William J. Lightfoot will be chief engineer of the plastics and chemical division. Stanley S. Gregory will be plant accountant and office manager.

Vick Director



H. H. Garis, president of the J. T. Baker Chemical Company, Phillipsburg, N. J., has been elected to the board of directors of the Vick Chemical Company. J. T. Baker is a subsidiary of the Vick firm.

U.S. Seeks More Time On Polish Claims

OPD Washington Bureau

The Department of State has announced it is seeking to obtain extension of time for filing claims against 917 firms to be nationalized in Poland to protect American interests that may have been acquired by Germans.

The announcement said that the Polish government had released on September 30 a list of 513 firms in Poland to be nationalized without compensation to owners and another list of 404 for which the government proposes to compensate owners.

Both lists will be published by the department as soon as received, the announcement said. The department declares that included on the list may be firms in which United States nationals have an interest and in which alleged German ownership was acquired without consent of owners subsequent to the German invasion of Poland.

Tankcar Shortage Relief Action Taken by Gov't

OPD Washington Bureau

Action to ease the serious shortage of railroad tankcars used in transporting acids and liquefied petroleum gases was taken last week by the Civilian Production Administration, the Office of Defense Transportation and the War Assets Administration.

Under the terms of an emergency program developed jointly by the three agencies, the ODT will locate 525 petroleum tankcars which can be converted into ammonium nitrate solution carriers, 300 of which will be leased to the War Department and the remainder replacing Army-owned cars which will be recalled from industry service.

Of 400 sulphuric acid tankcars now on lease to industrial concerns, recall of which was cancelled by the War Department two weeks ago, about 100 now in the ammonium nitrate solution service and 200 other Army-owned chemical carriers will be withdrawn as quickly as ODT assigns petroleum cars for conversion into ammonium nitrate carriers. The converted cars will have greater carrying capacity than those they replace.

Reconversion Director John R. Steelman who announced the program, added that the CPA is taking necessary action to step-up production of high pressure tankcars, and that the WAA will refrain from further sales of high pressure cars normally used for transportation of anhydrous ammonia, propane, butane and similar chemicals until the present emergency has passed.

Mr. Steelman said that the ODT will take action to increase the efficiency of use of existing high pressure cars by eliminating cross-hauls, speeding turnabout time, and by other means; will use its powers to insure that Army-owned cars withdrawn from commercial fertilizer production are replaced by other cars, and will make special efforts to replace cars withdrawn from the liquefied petroleum gas industries, either for the Army or for commercial fertilizer plants, as rapidly as production of new high pressure cars will permit.

The shortage of high pressure and other chemical tankcars has been accentuated by the reopening of ordnance plants for the manufacture of nitrate fertilizer and by the greatly expanded needs of the liquefied petroleum gas industries. The Army fertilizer program calls for withdrawal of 280 high pressure tankcars for transporting anhydrous ammonia from industrial organizations, and the withdrawal and conversion of 100 cars currently leased by propane gas companies.

Mr. Steelman said that the Army needs 900 chemical tankcars to transport ammonium nitrate solution and that it has 300 on hand, with 600 leased to industry. About 400 of the leased cars are designed to haul sulphuric acid, and withdrawal of these cars would create a serious bottleneck in acid transportation which would threaten production in a number of vital reconversion industries.

That the steps taken will not completely solve the problem, and that the only effective solution is production of new cars, was admitted by Mr. Steelman. He said, however, that in spite of the most vigorous action taken by CPA with the full cooperation of the steel industry it is extremely doubtful that an adequate number of new cars can be built before the peak demand of the Winter season arrives.

Penicillin Rules Modification Planned

OPD Washington Bureau

Modification of the rules regarding penicillin will be discussed at a meeting October 24 of the basic manufacturers of the product and officials of the Food and Drug Administration.

One of the principal points to be taken under consideration at the meeting will be the setting up of an amendment to govern the amount of "G" in penicillin so that it can be called penicillin "G". Under present rules it cannot be designated as such by distributors.

The meeting also will discuss limiting the amount of penicillin "K" in commercial penicillin.

CPA Lists Chemical L and M Orders

OPD Washington Bureau

No orders were issued or revoked by the Civilian Production Administration during September, CPA said in a release of October 7. CPA orders in effect in the chemicals division are:—

L-353, limits deliveries and processing of cane alcohol; L-354, limits production of lead chemicals; L-355, limits consumption of ethyl fluid; M-54 restricts delivery, use and consumption of molasses; M-131, provides for allocation of cinchona bark and cinchona alkaloids; M-300, chemicals and allied products, schedule 118, controls distribution of penicillin; schedule 119, controls distribution of streptomycin; schedule 120, provides for allocation of potash; M-333, restricts deliveries, use and inventories of tapioca flour; M-390, prevents diversion of hide glue stocks to purposes other than making glue.

Labor Relations

Mitchell M. Shipman
Labor-Management Consultant

Employee Bonus Plans and the Wage and Hour Law

In a previous column it was revealed that, under the national wage and salary stabilization controls, which were reinstated with OPA's renewal, wage reductions without prior NWSB approval were illegal. This means, among other things, that employee bonus plans, even if established as a wartime measure, cannot be discontinued without the board's prior approval.

While on the subject of employee bonus plans, which, by the way, have been receiving increased employer acceptance as a means of building up morale and production, still another problem often arises. What about the fair labor standards act, commonly known as the wage and hour law, and its overtime requirements? Does the time-and-one-half overtime payment provision of FLSA also include payments to employees under a bonus plan? The employer must be certain that he has the correct answer; since, if he does not, he would be held in violation of the law, leaving himself open to monetary damages, including back pay.

The problem here is not an easy one, as the long line of governmental interpretations and court decisions will show. Nor is a "Yes" or "No" answer readily available, since so much depends on the details of the particular bonus plan involved.

One of the latest rulings on the subject is a recent decision by the United States District Court in New York. The case not only serves to highlight some guides in the application of FLSA to employee bonus plans but suggests a most interesting and rather novel form of a plan.

The bonus plan in that case was a form of combination profit-sharing and length-of-service idea. Each employee would be treated as a sort of make-believe stockholder of the employee-corporation. No stocks were, however, actually issued to him.

Based on the employee's length of service, shares of suppositious stock were assigned or credited to him. Whenever the employer's board of directors would declare a cash dividend on the common stock, each employee's suppositious stock would likewise be credited with a dividend, which was paid to him. If no cash dividend was declared to stockholders, then the employees would receive no bonus dividend.

The employer reserved the right to modify or withdraw the bonus plan at any time. This the employees fully understood. Quarterly dividends, ranging from 25 cents to $1.25 had, nevertheless, been paid to the employees continually since 1937.

In figuring the overtime to be paid to the employees, the employer did not include the bonus-dividend payments. The government claimed that this was wrong and that, under FLSA, such

—*Continued on page 54*

Linseed Open Billing Deadline Extended

OPD Washington Bureau

Open billing on sales of linseed oil by processors has been extended until October 31. The extension was effective October 7, when the previous adjustable pricing order was terminated. The Office of Price Administration granted the extension to allow the industry additional time to furnish accounting data which has been requested from certain firms in the linseed oil industry.

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Western Union Tel. Co.

Net income, 7 mos.,

	1946	1945
July 31.....	$977,152	$4,381,414
Per share.....	....	....

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Oct. 10, 1946	Oct. 3, 1946	Oct. 12, 1945
141.5	139.4	133.8

The base of the OPD Price Index is the average of prices in 1925 and 1936, those years representing extremes of price undulations in the interwar period.

An extraordinary bulge in the price of opium, supported by less spectacular but definitely stimulating advances in those for senega root and spearmint oil raised the OPD general index to the highest level since August 14, 1942, when it stood at 142.2. Price trends as a whole last week conformed to the index rise; advances exceeded declines by 33⅓ percent.

Prices were advanced on acetoacetanilide, black and white peppers, Bourbon and Tahiti vanilla beans, brucine, cumin seed, cardamom, and clove, and commercial diethyl carbonate. Also, on the essential oils of cardamom and spearmint, industrial crude and refined sardine oils; laurel leaves marjoram, mustard seed, natural ethyl acetate. No. 2 Jamaica ginger, pimento from Jamaica, poppy seed from Denmark and Holland, senega root, and silver bullion, silver neucleinate, as well as proteinate.

Prices were reduced on Argentine and India fennel seed, Ceylon cinnamon, Chinese, Mexican and Syrian anise, and Chinese as well as Saigon cassia. Also, on the essential oils of Saigon cassia Italian bergamot, pure Spanish spike lavender, French neroil, and natural peppermint; fenugreek seed from India, ipecac root, and No. 3 North Country carnauba wax.

Export Regulation Revised by OPA

Several changes have been made in the recently revised export regulation, principally revising applicable mark-up provisions in order to bring them more in line with export practices, the Office of Price Administration has announced.

Among the principal changes, effective October 14, 1946, which result from experience since the third Revised Maximum Export Price Regulation became effective August 23, 1946, as well as from further consultations with the trade, are:—

On sales of textiles to Canada, a producer-exporter is allowed the option of using his mark-up in the 1939-40 base period when that is higher than the three percent mark-up provided for these sales.

Producer-exporters of three specific categories are allowed the higher mark-up provided for merchant-exporters. Previously they had to take producer-exporter mark-ups. The three categories are:—(1) a firm under the management of, using any of the officers or employees, of or using the same place of business as the producer of the commodity being exported; (2) a firm that exports 50 percent or more of the total output of the producer of the commodity being exported; and (3) a firm currently producing the same class of commodity. The stipulation is made, however, that producers who buy the same type of commodities from other producers cannot take a mark-up on such purchases greater than the producer-exporter mark-up unless such purchases were made at least six months before export.

S.O.C.M.A. Elects Nominating Committee

The Synthetic Organic Chemical Manufacturers Association held a meeting in the Hotel Commodore, New York, October 9. Ralph Dorland, president of the association, presided. A nominating committee was appointed. Discussion was given to the suggested charter for the International Trade Organization of the United Nations. The association voted to telegraph the Civilian Production Administration expressing its opposition to the procedure of granting priority on soda ash to the Kaiser aluminum interest.

Joseph Borkin Leaves Antitrust Division

Joseph Borkin, chief economic adviser and attorney in the Antitrust Division has resigned. Mr. Borkin entered the antitrust division in April, 1938, as chief of the patent unit. In this position he initiated and took charge of the investigation of patent abuses and cartels.

NPVLA Public Relations Program Outlined

The growing importance of a definite and comprehensive program of public relations for the paint industry was stressed by Ralph W. Emerson, director of public relations for the National Paint, Varnish and Lacquer Association at a luncheon meeting of the Paint, Varnish and Lacquer Association of the Province of Quebec held in the Mount Royal hotel, Montreal.

Mr. Emerson traced the gradual but necessary transition in all industries from an attitude of "the public be damned," to one of converting public hate and disinterest into public understanding and friendliness. The paint industry, he added, was one of the first to undertake such a program.

Present public relations practices of his association, according to Mr. Emerson, include cooperation with editors, writers, publishers, radio stations, educators, government officials and agencies, civic agencies and other industries.

In addition, he added, information of general industry interest is distributed through "Your Weekly Letter," which is a digest of current news of industry interest; "The Open Door," a statistical supplement; weekly public relations releases and writing of special articles on request of newspapers and trade papers.

Antimony Ore, Metal Import Control Restored

OPD Washington Bureau

Antimony ore and metal have been brought back under import control according to an announcement made by the Civilian Production Administration. This action was taken by adding antimony ore, concentrate, metal and alloys to the list of materials which are subject to CPA General Import Order M-63.

The order was issued to restrict the importation of ore concentrates or low-grade metal intended for refinement in bond and re-export of the resultant products. The agency said that re-exports of this kind would seriously interfere with the existing government purchase program of the Reconstruction Finance Corporation.

Petroleum Products Price Control Lifted

Price control has been suspended on a number of petroleum products which, according to the Office of Price Administration, are unimportant in living or business costs. The suspension became effective October 11.

The items include wax emulsions, asphalt sealers and deadeners, gilsonite blends, petroleum rust preventives, cable core and cable insulation compounds, bituminous plastics, tree surgery compounds, bituminated cork mixtures and automotive board.

Copra, Coconut Oil, Castor Beans, Oil Up

Several ceiling price and administrative changes in the regulation governing purchases and importation of copra, crude coconut oil derived from copra, castor beans and castor oil, to become effective October 14, were announced last week by the Office of Price Administration.

The import ceiling price for copra received at Atlantic and Gulf Coast ports was advanced seventy cents a short ton to a level of $116.20, while the c.i.f. price of crude coconut oil shipped to those ports was increased 0.27c. per pound to a price of 8.68c. per pound. The action also makes import ceilings on copra and coconut oil applicable regardless of point of origin.

The order prohibits over-ceiling purchases of castor beans, castor oil, copra or crude coconut oil by agents or subsidiary corporations in foreign countries.

Dollar and cents ceilings were spelled out in the order for six grades of refined coconut oil. These ceilings reflect normal differences in prices of crude coconut oil and refined grades which existed before price control but were never listed by OPA at the time prices were frozen.

The order also inserts the words "tying agreement" in order to emphasize the general provisions that tie-in sales of any commodity violate price regulations.

Bids Wanted

Acetone, 6,000 pounds, Panama Canal, schedule 8435, October 18.

Carbon disulphide, 1,000 gallons, Panama Canal, schedule 8435, October 18.

Carbon tetrachloride, 1,000 gallons, Panama Canal, schedule 8435, October 18.

Caulking compound, 5,000 gallons, Navy Department (New York City), negotiation 619, October 17.

Caustic soda, 10,000 pounds, Treasury Department, invitation 3-W-45601-R, October 16, 3,000 13-ounze cans, Panama Canal, schedule 8435, October 18.

Cellulose acetate sheeting, 5,000 sheets, Government Printing Office, October 16.

Coaltar pitch, 4,000 pounds, Panama Canal, schedule 8435, October 18.

Creosote, 4,000 gallons, Panama Canal, schedule 8435, October 18.

DDT crystals, 200 pounds, District of Columbia, schedule 9088, October 18.

Drugs and Chemicals, Panama Canal, circular 3183, October 21, Veterans Administration, invitation A-17, October 22.

Dry-cleaning solvent, 5,000 gallons, Panama Canal, schedule 8435, October 18.

Emery, ground, 600 pounds, Navy Department (New York City), negotiation 608, part 1, October 17.

Formaldehyde solution, 202,000 pounds, Navy Department (New York City), negotiation 608, part 2, October 17.

Gallic acid, 200 pounds, Government Printing Office, October 16.

Gasoline, 5,000 gallons, Government Printing Office, October 17.

Hydrogen Peroxide, 1,000 pounds, Navy Department (New York City), negotiation 608, part 3, October 17.

Lithopone pigment, 1,200 pounds, Panama Canal, schedule 8432, October 14.

Lubricating oil, 2,000 pounds, Panama Canal, schedule 8432, October 14.

Matches, as required from November 1

Scouring compound, 12,000 pounds, Treasury Department, invitation 3-W-45601-R, October 16.

Soap powder, 20,000 pounds, Treasury Department, invitation 3-W-45601-R, October 16; 12,000 pounds, Treasury Department (Chicago, Ill.), invitation FW-315, October 16; toilet, 75,000 pounds, Treasury Department, invitation 3-W-45601-R, October 16.

Soda ash, 150,000 pounds, Treasury Department, invitation 3-W-45601-R, October 16.

Sodium hypochlorite solution, as required from January 1 throngh June 30, 1947, District of Columbia, schedule 9086, October 21.

Sulphuric acid, 577,225 pounds, Air Materials Command (Dayton, O.), invitation 135, October 24.

Sweeping compound, as required through June 30, 1947, Federal Security Administration, invitation SSP-1583, October 17; 1,000 pounds, Department of Justice (Englewood, Colo.), invitation 30-1486, October 16.

Trisodium phosphate, 2,200 pounds, Treasury Department (New York City), invitation W-9471-1, October 18.

White Lead, 2,000 pounds, Department of Justice (Englewood, Colo.), invitation 30-1487, October 17.

Late Markets

Calcium cyanamid output for the production of nitrogen fertilizer at Trostberg, Germany, was 3,800 metric tons for the week ending September 21, or about 88 percent of capacity, according to a report of the Military Government in the U. S. Zone. The figure compares with an output of 1,680 metric tons, or 40 percent of capacity in the preceding week.

Zinc Oxides—Buyer interest continued last week in spite of enduring material shortages, and no prices changes were reported. Washington reports, however, quoted Senator Taylor (Dem., Idaho) as saying that the Office of Price Administration had approved a one-cent-per-pound increase in the price of zinc. If this report was true, it is likely that prices for lead-free zinc oxide will advance approximately ¾c. per pound.

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Lead Quotas Set For Chemicals Use

OPD Washington Bureau

To meet minimum requirements as estimated by the Department of Agriculture, the Civilian Production Administration has alloted 10,000,000 pounds of lead for the manufacture of insecticides during the last quarter of 1946. Because the supply of arsenate continues to be a limiting factor in the production of arsenate of lead, allocation to individual insecticide manufacturers will continue to be based on application.

The fourth quarter allocation of lead for use in all lead chemicals was 31,000 tons, an increase of 1,000 over the previous quarter. Of this total, 50,000,000 pounds was alloted for uses other than making insecticides, chief of which was the making of pigments. The total fourth quarter allotment is approximately 10 percent less than the third quarter. A reserve of 2,000,000 pounds was set up for appeals.

Fats, Oils Quotas Set for Fourth Quarter

Because of a fairly uniform distribution of fats and oils throughout the country the national quota for the use of fats and oils in the production of shortening, cooking, and salad oils will be made uniform for the fourth quarter of 1946, the Department of Agriculture has announced. The quota for these products for the fourth quarter will be 88 percent compared with 82 percent plus a 6 percent reserve for deficit areas during the third quarter of 1946. The base period for these edible fats and oils is the average usage in the corresponding quarters of 1940 and 1941.

The quota for margarin will remain unchanged at 95 percent. The base period for margarin is the corresponding quarter in 1944.

Due to a critical shortage of lard and fatbacks in 25 Western and Southern States, the department during the third quarter reduced the national edible fats and oils quota from 88 to 82 percent, and provided, in addition, an emergency quota of 6 percent to relieve the extreme fats and oils shortage in these States.

This action channeled about 30,000,000 pounds of fats and oils in these States. A recent field survey shows an improved supply situation in the Western and Southern States, making it possible to discontinue emergency measures and return to the former nationwide quota.

Acetone, Chestnut Extract Decontrolled

Casein glue, acetone, all grades of channel black, chestnut extract and several miscellaneous items were removed from price control by the Office of Price Administration October 9.

Included on the list were tetraethyl lead; ethyl fluid and other chemical preparations used as anti-knock agents in motor fuel, except petroleum fractions or coking process derivatives or mixtures of the two; finishing and printing materials, and miscellaneous materials made in whole or in part of rubber, synthetic or substitute rubber.

The agency reported that acetone and chestnut extract were exempted from further price control because supply is in balance with demand, while exemptions on casein and anti-knock agents were prompted by the fact that the items are not important in either business or living costs. OPA said that channel blacks are an insignificant cost in the manufacture of lacquers, paints and inks.

Pacific Coast Sardine Oil Ceiling Raised

Increases in processor ceilings for Pacific coast sardine oil, fish meal and fish scrap were announced October 9 by the Office of Price Administration, the increases amount to 1½ cents per pound for the oil and $7 per ton for the meal and scrap. The order was effective October 7.

The agency said the action was being taken because a survey showed that oil reduction plant operators, who also manufacture fish meal and scrap, have been absorbing a 36 percent increase in raw fish costs, in addition to recent labor and material increases.

Alkalis Costs Asked by OPA

OPD Washington Bureau

Upward adjustment of ceiling prices on chlorine, caustic soda and soda ash was discussed at a meeting of the Office of Price Administration and the industry advisory committee October 10.

Although no action was taken, OPA officials outlined to the committee the data needed by the agency before an increase could be considered. The information required is cost data, covering raw materials, labor and production costs.

Natural Rubber Control To End December 31

OPD Washington Bureau

The Combined Rubber Committee, having recommended allocations of natural rubber for the fourth quarter, 1946, has agreed that in view of the increased quantities of natural rubber becoming available, international allocation control need not continue beyond the end of this year. The member governments have, therefore, agreed that the Combined Rubber Committee be terminated as of December 31, 1946.

The Combined Rubber Committee was formed following the termination of the Combined Raw Materials Board at the end of 1945, to continue the allocation of the world supply of crude rubber as long as that seemed necessary. Its member countries are the United States, the United Kingdom, Netherlands, France, Belgium and Canada.

Trade Group Officer

Dr. Courtney C. Brown, head of the petroleum economics division of the Standard Oil Company (New Jersey), has been appointed vice-president of the World Trade Foundation of America, with the responsibility of consulting in connection with research activities.

Narrow Neck Glassware Pricing Revised

OPD Washington Bureau

Adjustable pricing provisions for the sale of narrow neck glassware for carbonated and malt beverages was authorized by the Office of Price Administration to become effective October 15. The action will continue in effect until the agency takes final action on applications for a price increase made by manufacturers.

Flaxseed, Linseed Oil Price Decontrol Asked

OPD Washington Bureau

Decontrol of paints, flaxseed and linseed oil was suggested at a meeting of the Paint and Varnish Industry Advisory Committee with officials of the Civilian Production Administration and the National Housing Authority October 9.

The suggestion also was offered that the government subsidize some 32,000 tons of Argentine linseed oil which has been shipped to this country at a price of 27½ cents per gallon. A representative of the Department of Agriculture, which is charged with the handling of the oil, was present at the meeting but gave no indication of the department's attitude in this matter.

CPA called the meeting for the purpose of discussing the supply of paints for veterans housing, and to consider the need of putting paints on an HH rating. representatives of the industry argued that the supply of paints was not the principal factor in any delay in the housing program and stated that enough paints could be supplied the program without the rating being instituted.

Paint manufacturers it was pointed out, however, could not afford to use the Argentine linseed oil at the price for which it was bought unless price ceilings on finished paints were removed.

Hog Serum Marketing Plan to Be Revised

OPD Washington Bureau

The discontinuance of a special classification for volume contract purchasers of anti-hog cholera serum and hog cholera virus, under the terms of a marketing agreement it administers, has been proposed by the Department of Agriculture.

The term "volume contract purchasers," includes persons and agencies, such as farm bureaus, that buy serum and virus in large quantities for distribution to members. Exception to the proposed amendments may be filed with the department not later than October 20.

At a special hearing held April 29-30 proponents of the amendments claimed that this special classification impairs the proper functioning of the marketing agreement by giving buyers so classified an undue advantage in the form of special price posting. The amendments provide for classifying them as wholesalers along with others who do not administer the serum and virus but obtain it for redistribution.

Wartime Procurement Practices to Be Reviewed

OPD Washington Bureau

Under Secretary of War Kenneth C. Royall and Assistant Secretary of the Navy W. John Kenney announced today that they were inviting the Maritime Commission, the Reconstruction Finance Corporation, the Procurement Office of the Treasury Department and the General Accounting Office to join the Armed Forces in a thorough study of wartime procurement practices in order to make recommendations for comprehensive statutory and administrative action incorporating benefits of experience gained in the war.

The wartime procurement program of the Armed Forces involving more than 1,000,000 separate contracts and several million sub-contracts was the largest industrial undertaking in history.

Cottonseed Oil Delivery Suspension Extended

OPD Washington Bureau

The suspension on restrictions on deliveries of crude cottonseed, peanut, soybean and corn oils to refiners for refining purposes has been extended by the department of agriculture through December 31. Previously, the suspension had been continued through September 30.

Authorizations for delivery of these four crude oils to all other users, however, will continue to be obtained from the Fats and Oils Branch of the Production and Marketing Administration.

Washington Talks It Over

The OPD Observer

Treasury experts seeking to work out a program of taxation for recommendation to Congress early next year are finding that the hardest nut to crack is that of what to do about corporation taxes. The department would like to get away from, or at least minimize, the problem of double taxation of corporate income.

But before it can even consider rates and the like, it has got to decide just how much double taxation of corporation income actually exists. Much depends on the extent to which the corporation is able to shift its tax to other people, for example, workers or customers—an ability which at present is hard to measure. In the statements of businessmen themselves there are implicit differences of opinion as to where the burden of corporate taxes falls.

At the extreme are those who say there is no desirable alternative to the present procedure since the corporation has an identity and taxpaying capacity that is separate and distinct from the stockholders and that the corporate income tax adds a desirable element of progression to the tax structure. At the other extreme are those who would eliminate the corporate income tax entirely, maintaining that the corporation is a mere conduit for the individual shareholder.

One thing is clear—the area of discussion is so wide, Treasury experts say, that further study and discussion is necessary before any basic reconsideration of the corporation income tax can be undertaken.

Wet Corn Milling Control

There is a movement underway to have all government controls lifted over the products of the wet corn milling industry. A formal petition may be made very shortly to Secretary of Agriculture Anderson that he free this industry of the limitations now existing on the grinding of such corn.

The argument advanced is that the corn crop appears likely to be so abundant that restrictions are no longer necessary. The group that is pressing the hardest for removal of the controls is the candy manufacturers. Because of the sugar shortage, they depend heavily upon the wet-corn millers for substitute sweeteners.

Lifting of the restrictions also probably would benefit pharmaceutical manufacturers and bakers who depend upon the industry for their starch and glucose needs.

Trade Boards vs. Unions

The question whether local trade boards can be held in violation of the Wagner act for carrying on advertising campaigns against unions at a time when a strike is being held in their community seems to be a settled issue now. Unless there is a reasonable direct tie between the trade board and the company involved in the strike, the trade board is free to say what it pleases about the union.

The question arose some time ago in Iowa where the NLRB found a local chamber of commerce committed unfair labor practices as a result of newspaper advertising during a union drive to organize employees of a local manufacturer. When the case came up in court, the Eighth Circuit Court of Appeals threw down the NLRB on the grounds that the company had no interest nor control over the chamber.

More recently a similar issue came up before the board in another dispute. While it held that the company's campaign of opposition to unionization was unfair, the board itself dismissed the complaint against the trade board for the reasoning stated in the Eighth Circuit Court decision—it could not find that the company officials, although members of the trade board, actually participated, advised or consulted on the trade board's anti-union campaign.

Legislative Reorganization Act

How far down the line Congress is going to go next session in adopting the reforms provided for in the legislative reorganization act is becoming more problematical every day. Rumors of a revolt against some of the reforms are on the increase, and the program may wind up to be little more than an expression of intentions with little or no attempt to carry them out.

One of the main objectives is to reduce the great number of committees in both the senate and house by broadening their jurisdiction over legislative matters and thus make it unnecessary for the members to run from one committee meeting to another following up the things they are mostly interested in. But this means the end

—*Continued on page 40*

The first Totaquine commercially available in this country was little more than a "Total precipitate of Cinchona bark", standardized to meet the U.S.P. Specifications by the addition of fractionated precipitates of high alkaloidal content.

Today's NYQ Totaquine is a vastly superior product. Light in color and relatively free from "quinoidine", NYQ Totaquine is ideal for the manufacture of tablets, chill tonics, etc.

The sale of this item is currently governed by Conservation Order M-131 which applies to all Salts of Cinchona Alkaloids.

In bulk for manufacturers and in packages for wholesale trade.

NYQ

Symbol of Quality

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Brooklyn 11, N. Y.

ST. LOUIS DEPOT
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St. Louis 1, Mo.

OTS Reports Interest In War Research Data

OPD Washington Bureau

The Office of Technical Services of the Department of Commerce has reported that more than 200 queries are received daily by its reference service for technical information contained in the wartime industrial reports of Germany and other nations now being made available to the public.

To facilitate public use of these documents, OTS has established a reference service staff of six librarians in Room 1325 of the Commerce Building, 14th street near Constitution avenue, Washington, D. C. Ample library facilities are provided in this reference room, which is open to the public Monday through Friday, from 8:30 a.m. to 5 p.m.

Inquiries may be made by calling at this reference room; by telephoning District 2200, Extension 1630; or by writing to the Reference Service Section, Office of Technical Services, Department of Commerce, Washington 25, D. C.

The mainstay of the reference service is a central card catalogue. The catalogue contains index cards for the author of each report available from OTS, as well as cards for the subjects covered, the plants discussed, and other information contained in the reports. An average of five index cards is prepared for each report and inserted into the catalogue for complete cross indexing.

In addition to furnishing a key to processes, formulas, trade names, and similar data, the cards indicate the page numbers of the weekly "Bibliography of Scientific and Industrial Reports" on which abstracts of the reports may be found. They also indicate the depository library—Library of Congress, Department of Agriculture Library, or Army Medical Library—in which the individual reports are housed.

A separate card file lists each report under the agency which issued it. This means that researchers can identify immediately all reports released by the Office of Scientific Research and Development, Army, Navy, Joint Intelligence Objectives Agency, and other agencies.

The card files are open for consultation by the public in the office of the reference service.

Polystyrene Output Started in Canada

Monsanto Chemical Company, St. Louis, has announced that its Montreal subsidiary, Monsanto (Canada) Limited, has begun production of polystyrene in a new plant whose output will greatly exceed Canada's prewar requirements for the widely-used thermo-plastic material. It is the first polystyrene plant in the British Empire.

With 50 percent capacity now in operation, the new unit will attain full production shortly after November 1, serving both Canadian and export markets. It is a part of Monsanto's company-wide polystyrene expansion program, which contemplates a total production rate of more than 80 million pounds a year early in 1947.

Cocoa Bean Industry Advisers Named by OPA

OPD Washington Bureau

Appointment of a three-man cocoa bean and imported chocolate products industry advisory committee has been announced by the Office of Price Administration. The members are:—T. J. Mahoney, of J. Aron & Co., New York; Isaac Witkin, General Cocoa Company, New York, and George Hintz, Wessels, Kulenkampff & Co., New York.

Book Reviews

What Industry Owes to Chemical Science, a symposium, 372 pages, 8¾ x 5½, Chemical Publishing Company, Brooklyn, N. Y., $5.

This collection of the works of fifty-three writers has considerable merit as interesting reading for laymen as well as educational value to technical men and students. Each chapter, written in non-technical language, is the story of the contribution of chemistry to an important industry. Of particular interest to students will be the excellent bibliography which follows each section.

Made Vice-President

David W. Lynch has been named a vice-president of John Powell & Co., Inc., manufacturer of basic materials for the insecticide industry, New York. Mr. Lynch, who has headquarters at 350 N. Clark street, Chicago, Ill., was formerly sales representative for the company in the Southwest and Middlewest territories. Mr. Lynch will continue to service the same areas for the Powell company.

Pa. Water Works Ass'n To Mark Fifty Years

The Pennsylvania Water Works Association will hold its fiftieth anniversary meeting, at the Traymore, Atlantic City, N. J., October 15-18. Principal speakers will include Harold G. Moulton, president of Brookings Institution who will speak on "The Free Enterprise System"; Dr. George Taylor, professor of industry, Industrial Research Department of the Wharton School of Finance, who will discuss "Fair Wages"; and Alan Temple, vice-president and economist of the National City Bank of New York, who will talk on "Private Water Works and Inflation."

Gas Ass'n Elects Hargrove President

R. H. Hargrove, vice-president and general manager of the United Gas Pipeline Company, has been elected president of the American Gas Association. Other officers elected were: first vice-president, Hudson W. Reed, of the Philadelphia Gas Works Company; second vice-president, Robert W. Hendee, of the Colorado Interstate Gas Company, and treasurer, Edward F. Barrett, of the Long Island Lighting Company.

Industrial Applications of Chemicals and Related Materials

"Where You Can Sell"

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Methane

(Firedamp, Hydrogen Bicarbide, Marsh Gas, Metano, Methan, Methyl Hydride)

Chemical—Source of carbon black, hydrogen.

Starting point in making acetylene (by heating in admixture with hydrogen), carbon disulphide (by interaction with hydrogen sulphide), formaldehyde, methyl chloride, octane (from mixtures of methane and carbon oxides).

Egloff Heads ACS Petroleum Division

Dr. Gustav Egloff, of the Universal Oil Products Company, Chicago, has been elected chairman of the petroleum division of the American Chemical Society for 1946-47. Dr. Egloff, who is a former president of the American Institute of Chemists, succeeds Dr. Stewart S. Kurtz, jr., of the Sun Oil Company, Norwood, Pa. A. N. Schanen of the Socony-Vacuum Oil Company's general laboratories at Paulsboro, N. J., was named vice-chairman and Cary R. Wagner, consulting chemist of Bartlesville, Okla., was re-elected secretary-treasurer.

Dr. Kurtz and W. E. Bradley, research supervisor, Union Oil Company, Los Angeles, were chosen as members of the executive committee of the division which, with 1,300 members is the largest of the society's eighteen professional divisions.

Converse Studios

Dr. Gustav Egloff

4-Methoxy-5-acetoacetamido-1-phenylbenzothiazole

Dye—Claimed (Brit. 516851) as dye giving shades ranging from greenish-yellow to orange and having great affinity for cotton.

Newton's Metal

(Alloy composed of bismuth 50 percent, tin 18.75 percent, and lead 31.25 percent.)

Dental—As a dental alloy.

Electrical—Coating agent for selenium surface in rectifiers of that kind used for battery charging; also for the direct operation of direct-current apparatus from an alternating current supply, such as in eltroplating, direct-current motor operation, magnet coils, arc lamps.

Sealing agent for glass to metal in electronics.

Fire Protection—Metal for making sprinkler plugs.

Machineshop—Matrix for anchoring punching parts (to avoid drive fits).

Metal Fabrication—Anchoring agent for dies for various purposes, punch and die parts.

Filler for hollow tube to avoid kinks in tube bending (tube is afterwards heated and the molten fusible metal runs out).

In babbitting work.

Metal for making templates.

Molding agent for taking sharp impressions in delicate, accurate casting work.

8-Nitro-6:2'-pyridylquinolin

Pharmaceutical—Claimed (Brit. 544-190) to have valuable therapeutic properties.

Orthonitrophenyl Butyl-sulphide

Petroleum—Addition agent (U.S. 2134432, 2134433, 2134435, and 2134436) for lubricants for bearing surfaces (one of which is an alloy of cadmium or copper) of internal-combustion engines.

German Research Reports

Construction details of a lead sulphide photoelectric cell, said to be the best type of uncooled cell developed by the Germans, are contained in a report now on sale by the Office of Technical Services, Department of Commerce.

The report, based on an interview with one of the inventors of the cell, was prepared by Major E. R. Ricker and Lieutenant H. E. Brosig for the Joint Intelligence Objectives Agency.

The "Guddon" cell is said to detect infrared light values as low as one ten billionth of a watt and to detect infrared light wavelengths of 1.5 millimicrons.

A compact device, the cell utilizes the photosensitivity of a thin layer of pure lead sulfide. Specially prepared to assure purity, the lead sulfide is evaporated onto a thin glass microscope slide under high vacuum at a temperature of about 200 degrees centigrade. The shiny, bluish black layer of lead sulfide is then oxidized to a dull grey in an infrared oven.

After testing the layer for light sensitivity, thin gold electrodes are applied to the slide and soldered to the electric circuit. The whole cell is built into a protective case of pressed material with a glass cover window over the cell strip. It is carefully protected from moisture.

The size of the lead sulfide areas in the cells ranges from 0.3 x 0.3 to 3 x 3 millimeters, the smallest sizes having the greatest photosensitivity. Radiation temperature also affects sensitivity. The sensitivity of the cell can be increased by cooling. Maximum sensitivity is found at about minus 70 degrees centigrade.

The report discusses the fabrication and properties of the cell and includes diagrams.

Orders for the report (Investigation of Construction of Gudden PbS Photocells; PB-27008, photostat; $1; microfilm, $1: 12 pages) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Beryllium Production

Beryllium production processes used by the Deutsche Gold und Silber Scheide Anstalt at Frankfort, Germany, are described in a report now on sale by the Office of Technical Services, Department of Commerce. Before operations were halted at the end of the war, the plant had achieved a maximum monthly production of 160-180 kilograms of pure beryllium.

The report was prepared by W. B. C. Perrycoste for the British Intelligence Objectives Sub-Committee.

The manufacturing process was divided into two parts: production of pure anhydrous beryllium chloride from the mineral beryl, and electrolytic production of metallic beryllium.

In the first part of the process, beryl ore was ground in a dry ball mill,

—Continued on page 50

Association Meetings

American Association of Textile Chemists and Colorists, Statler hotel, Boston, December 12-15.

American Council of Commercial Laboratories, Palmer house, Chicago, December 2-3.

American Institute Chemical Engineers, Philadelphia, November 17-20.

American Management Association Conference, Palmer house, Chicago, November 14-15.

American Oil Chemists' Society, Edgewater Beach hotel, Chicago, October 30-November 1.

American Pharmaceutical Manufacturers' Association, midyear meeting, Waldorf-Astoria hotel, New York, December 9-11.

Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, October 22.

Boston Conference on Distribution, Statler hotel, October 14-15.

Federation of Paint and Varnish Production Clubs, Traymore hotel, Atlantic City, N. J., November 4-5.

Industrial Hygiene Foundation, Mellon Institute, Pittsburgh, November 6.

National Drug Trade Conference, Statler hotel, Washington, D. C., November 8.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, November 11-13.

National Paint, Varnish and Lacquer Association, Traymore hotel, Atlantic City, N. J., November 6-8.

National Pest Control Association, Roosevelt hotel, New Orleans, October 28-30.

New York Board of Trade dinner, Waldorf-Astoria hotel, New York, October 23.

Society of the Plastics Industry, New England Section, Equinox house, Manchester, Vermont, October 17-18.

Synthetic Organical Chemical Manufacturers Association, Roosevelt hotel, New York, December 17.

TOTAQUINE MERCK

an official U.S.P. Antimalarial

now available for chill-tonic manufacture

Totaquine is the only Cinchona derivative being made available, through direct application, by the Civilian Production Administration for the compounding of chill tonics and other antimalarial pharmaceutical preparations.

Totaquine Merck U.S.P. XII is a greatly improved product—a white to slightly yellow fine powder, practically free from Quinoidine, and fully meeting all specifications. Totaquine Merck is an effective and low-cost antimalarial.

Ample stocks permit prompt shipment of all allocations granted by the Civilian Production Administration under Order M-131.

Specify "Merck" on your next C. P. A. application.

Information on the compounding of Totaquine is available on request.

Write to Technical Sales Service, Merck & Co., Inc., Rahway, New Jersey

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MERCK MERCK

Current Market Quotations Chemicals and Related Materials

October 10, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).
Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls. .....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls. .....lb. .34 - .35
kgs. .....lb. .35 - .37
Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms....lb. .527 - .7000
Acetone, CP, dms., c.l., dlvd..lb. .08 - —
l.c.l., dlvd..lb. .08½- —
tanks, dlvd. .....lb. .07 - —
Methyl (see M).
Acetonitrile, dms., c.l., works.lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works..lb. .50 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.50 - 1.75
Acetyl chloride, cbys., works.lb. .60 - —
Acid, abietic, doms., c.l., wks..lb. .07½- —
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., C.P., dms., works..100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works....100 lbs. 6.93 - 7.25
USP, dms., works.100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
50%, bbls.....100 lbs. 4.85 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .59
standard USP, fine cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP, cryst., powd., bbls., frt. adjusted.lb. 1.25 - 1.30
Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.85
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
999 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59
Betaoxynaphthoic, bbls., works. lb. .96 - —
Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broener's, bbls.....lb. 1.11 - —
Acid, cacodylic, bots. .....lb.13.50 -14.50
Camphoric, cns. .....lb. No stocks
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .08 - —
l.c.l., works .....lb. .08½- .04½
tanks, works .....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots, bbls. .....lb. .23 - —
dms. .....lb. .25½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls. .....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls. .....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil,[1] s.d., dms., c.l., wks. lb. .1410- —
Cottonseed oil,[1] s.d., dms., c.l. lb. .1410- .1510
tanks, dlvd. .....lb. .1335- .1435
Cresylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - .90
l.c.l., same basis....gal. .83 - .93
tanks .....gal. .75 - .90
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .616 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (260°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20 Cal. ref.gal. .50 - —
Sewaren, N J., ref. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref. gal. .646 - —
tanks., dlvd. ....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10¼- .11
90%, cbys., c.l., works....lb. .10¼- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .50 - .40
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .06 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .085 - —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24½- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less, lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Acid, Laurent's, bbls.....lb. .45 - —
Lauric, dist., 85%, dms.....lb. .28 Nom.
60%, dms.....lb. .19½- .20½
Linseed oil,[1,7] light, dms....lb. .25½- .26
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06¼- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms..... No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, works.....lb. .12 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra..lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, Red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- .11¾
10,000 lbs.....lb. .11½- .12
smaller lots.....lb. .12½- .13
Palm oil,[2] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil, s.d., tanks, works. lb. .11¼- —
Phenylacetic, bots. .....lb. 1.60 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10¾- —
10 cbys. to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10¾- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½
Picramic, kgs. .....lb. .65 - .70
Picric, bbls. .....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works .....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.03
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms. .....lb. 2.60 - 2.65
Pyroligneous, dms., ex whse. gal. .29 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots .....lb. .36 - .44
Sebasic, tech., dms., c.l., works, lb. No stocks
Soybean oil,[1] s.d., dms., works. lb. .1385- .1860
tanks, works .....lb. .1310- .1785
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd. lb. .16¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd. lb. .15¾- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd. lb. .19¾- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.62
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
96°, tanks, works.....ton.12.50 - —
Acid, sulphuric, CP, USP, consumers cbys., extra..lb. .06 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra....lb. .06¼- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[7] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .54½- —
smaller lots, bbls..lb. .55 - —
kgs. .....lb. .55½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[1] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -23.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .28½- —
tanks, works.....lb. .25 - —
Adeps lanae[1] USP, anhyd., cosmetic, dms., works.lb. .28 - .30
pharmaceutical, dms., works. lb. .26 - .28
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 2.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .63 - .70
egg edible,[1,7] cryst., gran., bbls. lb. 1.81 - 1.91
powd., bbls.....lb. 1.86 - 1.96
tech., cryst., bbls.....lb. 1.05 - 1.30
Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .90 - —
dms. .....lb. .65 - .80
Butyl, normal,[1] ferment. Ill., Ind. prod., dms., c.l., frt. alld..lb. .234 - —
l.c.l., frt. alld. E....lb. .259 - —
tanks, frt. alld. E..lb. .244 - —
tankwagon, frt. alld..lb. .249 - —
ether production, dms., c.l., frt. alld. E..lb. .226 - —
l.c.l., frt. alld. E....lb. .251 - —
tanks, frt. alld. E.....lb. .216 - —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

Normal butyl alcohol prices in West, ½c. per lb. higher.

secondary, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works....lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, com., CP., fiber ctns., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.90 - 2.20
Cinnamic, bots.....lb. 3.00 - 3.25
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .632 - .663
tanks, E., dlvd.....gal. .543 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .663
tanks, E. works.....gal. .542 - —

Anhydrous 5c. per gal. higher.

SD2B, dms., c.l., wks., E.gal. .60½- —
l.c.l., works, E.....gal. .63½- .65¼
tanks, E. works.....gal. .53½- —
SD23C, dms., c.l., works.gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .582 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .66¼
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .64½- .68½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2I plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - .66
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10¼- .13¼
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½

Controls on Materials

Applications of CPA, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l. works..gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.65½- —
absolute, dms., c.l., works.gal.18.67½- —
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.60½- —
Ethylhexyl, dms., c.l., works.lb. .25 - —
l.c.l., works .....lb. .26 - —
tanks, works .....lb. .24 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0660- —
tanks, works.....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .40½- .41
l.c.l., divd.....gal. .43½- .44
tanks, divd.....gal. .34 - .34½
99%, dms., incl., c.l., divd.. gal. .44 - —
l.c.l., divd.....gal. .47 - —
tanks, divd.....gal. .37½- —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl, perfumer's grade, bots.lb. 4.25 - —
Phenylethyl, dms.....lb. 2.20 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .63
Propyl, normal, dms., works.gal. .67 - —
smaller containers, works. gal. .62 - —
tanks, works.....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —

Aldol, dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.25 - 2.30
Algarobilla,[1] c.l., ex dock.... long ton.80.00 -83.30
Algarobilla price based on ocean frt. at $12 and $1 insurance per long ton.
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allspice,[1] Mexican, futures, bgs. lb. .22½- .23
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., divd....lb. .13½- —
l.c.l., divd.....lb. .14 - —
tanks, divd.....lb. .12½- —
Aloe, Cape, cs.....lb. .42 - .43
Curacao, kgs.....lb. .42 - .43
Socotrine, kgs.....lb. .47 - .49
Aloin, bbls., dms., kgs.....lb. 4.50 - 4.80
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .23¾
Alphapinene, from gum turpentine, dms., c.l., wks..gal. 1.02½- —
l.c.l., works.....gal. 1.04½- —
tanks, works.....gal. .99½- —
from steam-distilled wood turpentine, tanks, works..gal. .71¾- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works.....lb. .1590- —
tanks, works.....lb. .1200- —
Alphacocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .43 - .45

Alum, ammonia, bornt, USP. bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12¼- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd. .....100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works..lb. .35 - .67
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .40
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .09½- .10
20%, bbls., l.c.l., works.lb. .08½- .09
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works .....lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works .....lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works .....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi.lb. .09½- —
l.c.l., works, same basis. lb. .10 - —

Alumina hydrate, heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works .....lb. .035 - .040
light, bgs., divd.....lb. .14¾- —
bbls., divd. .....lb. .15 - —
Hydroxide, gel tech., min. 15% Al (OH)₃, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis..lb. .03¼- .03½
smaller lots, same basis. lb. .03½- .04
9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., wks..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .25 - .26
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .19 - —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .13½- —
Stearate, precip., ctn., c.l...lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.20
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.40
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .38 - —
powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .60 - —
standard, 200-lb. dms..lb. .62 - —
rubber comp., 200-lb. dms..lb. .42 - —
unpolished, stand., dms...lb. .38 - —
varnish, stand., 300-lb. dms.. lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.61.50 - —
Aqua, 28°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt.alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1090- —
powd., bbls., kgs.....lb. .1130- —
Bromide, gran., NF, bbls....lb. .28 - —
dms. .....lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms..lb. .08¼- .09½
cns. .....lb. .14¼- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride,[6] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.95 - —
Linoleate, 50%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.38
fine cryst., bbls., kgs....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.13
Nitrate,[1] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.32.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls....lb. .23 - —
dms. .....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .23½- .23¾
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works...lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs...lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms...lb. .34 - —
paste, dms.....lb. .06½- —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate,[1] bulk, producing ovens..ton.30.00 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys., works.....lb. .06 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .06 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.48 - —
l.c.l., same basis.100 lbs. 5.15 - —

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Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .17 Nom.
l.c.l., divd.....lb. .17½ Nom.
tanks, divd.....lb. .16 Nom.
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .16½- —
l.c.l., same basis.....lb. .17½- —
tanks, same basis.....lb. .18½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.79 - 1.85
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .85
Stearate, dms., works.....lb. .42 - .45½
Anethol, com'l, dms., works..lb. .657 - .685
NF, dms.....lb. 2.20 - 2.65
Angelica dom. atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .34 - .35
Anilin oil, dms., c.l., works, frt. alld..lb. .12 - —
l.c.l., works, frt. alld....lb. .13 - —
tanks, works, frt. alld....lb. .11 - —
Salt, dms., works.....lb. .22 - .24
Anise, Argentine, bgs., afloat..lb. .46½- .47
Argentine, futures.....lb. .46 - .47
Chinese, star.....lb. .21½- .22
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .49½- .50
Syrian, bgs., futures.....lb. .45 - .46
Turkish, bgs.....lb. No stocks
Anisic aldehyde, dms.....lb. 2.75 - —
cns., bots.....lb. 2.90 - 3.05
Annatto, paste, bbls.....lb. .34 - .39
Seed, bgs.....lb. .13½- .13⅝
Anthracene, 80-85%, bbls., works.....lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs...lb. .16½ Nom.
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l...lb. .17 - —
l.c.l.....lb. .17½- —
paint grade, bgs., c.l.....lb. .17 - —
l.c.l.....lb. .17½- —
Salt,[1,6] 65%, bgs., c.l., dlvd. E. of Miss. River..lb. No stocks
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .15½- .16
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity)..35.00 -36.00
Arnica flowers, bbls.....lb. 1.65 Nom.
Arrowroot, powd., bgs., bbls..lb. .12 - .16
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .05 - —
l.c.l.....lb. .05¾- —
Asafetida, cs.....lb. .70 - .75
powd., bbls., dms.....lb. .94 - .95
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber,[1] 5D and 6K, bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.60 - —
6D, bgs., c.l. (20 tons), same basis..ton.32.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l.....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l.....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l.....ton.55.00 - —
Egyptian.....ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.80.00 -92.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-330° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex.metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.35 - —
Sulphate, bots.....oz. 7.35 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .72 - .80
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.48.00 - —
precip., bgs., c.l., works..ton.66.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton.72.00 - —
l.c.l., works.....ton.78.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works....lb. .15 - .16
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .11½- .12
l.c.l., works.....lb. .14 - .15
grd. dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .34½- —
smaller lots.....lb. .35½- —
Sulphate, tech, (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs.....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines. ton.17.50 - —
96.75% bgs., mines.....ton.18.00 - —
Ore, approx. 84% $BaSO_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.25 - 1.35
Root, bls.....lb. 1.35 - 1.40
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Bensidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol (benzene), pcrc, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .25 - .28
Peroxide, pure, gran., fib. ctns., works..lb. .90 - 1.05
Benzyl acetate, f.f.c., cns.....lb. .55 - .70
dms.....lb. .55 - .60
Alcohol (see Alcohol, benzyl).
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 4.35
Formate, cns.....lb. 2.10 - 2.75
Propionate, bots.....lb. 1.80 - 2.45
Salicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....lb. 2.00 - 2.70
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .35
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works.....lb. .23 - —
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98-99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .45 - .50
Bismuth chloride, bots.....lb. 2.00 - —
jars.....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.90
jars.....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns.....lb. 3.35 - —
Metal, ton lots.....lb. 1.60 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns.....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.72 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb. cans.....lb. 2.54 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns.....lb. 3.45 - 3.50
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. dest..lb. .19 - —
1, bgs., bbls., c.l., same basis. lb. .15½- .16½
2 bgs., bbls., c.l., same basis. lb. .15 - .15½
3 bgs., bbls., c.l., same basis. lb. .14 - .14½
4, bgs., bbl., c.l., same basis. lb. .12 - .13
5, bgs., bbls., c.l., same basis. lb. .10½- .11
6, bgs., bbls., c.l., same basis. lb. .10½- .11
7, bgs., bbls., c.l., same basis. lb. .13½- .14
8, bgs., bbls., c.l., same basis. lb. .14½- .15
490A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11⅞- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

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CALCO is happy to announce that at long last material and production difficulties have been overcome, and prompt deliveries can now be made on Mandelic Acid, USP and on Calcium Mandelate, USP.

It is hoped that similar announcements can be made in the near future relative to other items now in short supply. Gradually the difficulties created by the coal, steel and railroad strikes are being overcome. Additional facilities are being built as rapidly as the shortage of building materials, equipment and manpower permit. In the meantime, your understanding and patience are appreciated.

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(powder or micro crystal)

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Sulfamerazine

Sodium Sulfamerazine

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Sulfathiazole U. S. P.
(powder, crystal and micro crystal)

Sodium Sulfathiazole U. S. P.

Sulfapyridine U. S. P.

Sodium Sulfapyridine

Aminoacetic Acid U. S. P.

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Choline Chloride

Choline Dihydrogen Citrate

Cinchophen N. F.
(and Sodium Salt)

Neocinchophen U. S. P.

Mandelic Acid U. S. P.
(and Calcium Salt)

Menadione U. S. P.

Methylene Blue U. S. P.
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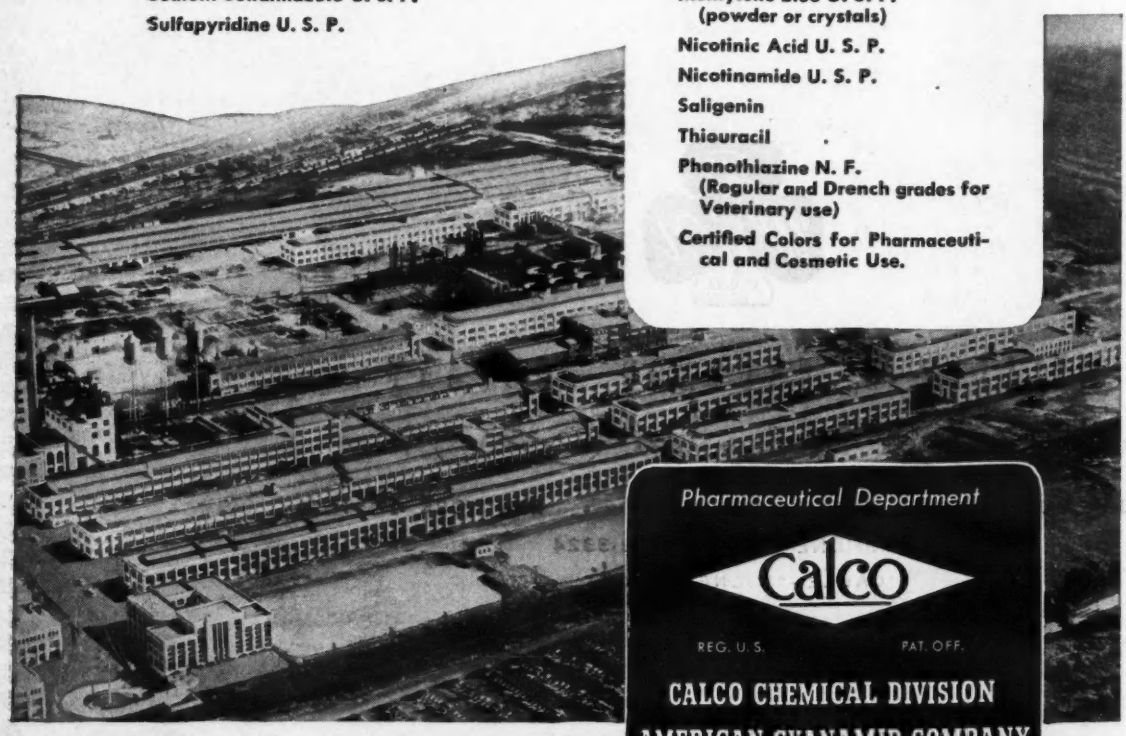
(Regular and Drench grades for Veterinary use)

Certified Colors for Pharmaceutical and Cosmetic Use.



Pharmaceutical Department

Calco

REG. U. S. PAT. OFF.

CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook, New Jersey

Represented in Canada by Calco Chemical Division
North American Cyanamid, Limited
P. O. Box 10, St. Lambert, Montreal 23, P. Q.
Royal Bank Bldg., Toronto 1, Ontario

Black, carbon, channel, compressed, beads, bulk, c.l., works..lb. .06½- —
bgs., c.l., works.....lb. .05¾- —
l.c.l., works.....lb. .06½- —
dlvd. or whse.....lb. .0970- —
uncompressed, regular, bgs., c.l., works..lb. .06½- —
bgs., ctns., l.c.l. dlvd. or whse..lb. .1020- —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works..lb. .03½- —
ctns., l.c.l., whse.....lb. .06 - —
Thermatonic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .09½- —
Lamp, 1, ctns., c.l., works..lb. .05½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¼- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26¼- —
l.c.l., works.....lb. .27¼- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .82 - .84
Tree bark, bls.....lb. .35 - .40
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.40.50 - —
Bleaching powder,[3] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.80
Blood,[1,7] dried, 16-16½% ammo., bgs..unit-ton.10.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton.10.00 - —
soluble, bgs., c.l., Chicago..lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .55 - .60
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - 1.90
Toner, bbls., same basis....lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis..lb. .36 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
50%, bbls., same basis..lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis. lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .45½- —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls.. same basis.lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls. .....lb. 3.80 - 3.55
ink toner, bbls., same basis. lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.96 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blues dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.56 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago..ton.57.00 -65.00
junk, bulk, same basis....ton.44.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..ton.50.00 - —
Chicago, works....ton.55.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.65.00 - —
Chicago, works....ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.45.00 - —
Chicago, works....ton.50.00 - —
Phosphate, defluorinated (see D.).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls. .....lb. .16 - .17
Borage flowers, bls. .....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
bgs., c.l., frt. alld....ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.

Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis.lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls.....lb. .24 - .25
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works.lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .08¾- .09¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .06 - .10
Umber, burnt, American, bbls., works..lb. .06¼- —
Italian-type, bbls., works.lb. .04¾- —

Brown, umber, burnt, American, Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .06½- —
ex whse., Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .38 - .42
Sulphate, cns., 100 ozs.....oz. .32 - .34
Bryonia root, bls.....lb. .55 - .60
Buchu leaves, bls. .....lb. .80 - .85
Buckthorn bark, bls. .....lb. .45 - .48
Berries, bgs. .....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .65
Burgundy pitch, dom., dms...lb. .14 - .16
Butane,[1] indust., tanks, Group 3. gal. .06½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .23 - —
l.c.l., same basis..lb. .23½- —
tanks, same basis...lb. .22 - —
tankwagon, same basis. lb. .22½- —
other production, dms., c.l., same basis..lb. .21½- —
l.c.l., same basis....lb. .22 - —
tanks, same basis....lb. .20½- —

Butyl acetate, synthetic, dms., c.l., same basis..lb. .11¼- —
l.c.l., same basis..lb. .12¼- —
tanks, same basis...lb. .10¾- —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works .....lb. .16½- —
tanks, works .....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works .....lb. .24½- .25½
Phenylacetate, dms. .....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd. .....lb. .15½- —
Stearate, dms. .....lb. .31½- .35
Butyric ether, bots. .....lb. 6.50 - 6.90
cns., works .....lb. .65 - .70
dms., works .....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[5] ingots or sticks, dlvd. lb. 1.30 - 1.50
pat. shapes, cs., dlvd....lb. 1.35 - 1.55
Selenide (see Red).
Sulphide (see Yellow).

Spot Deliveries

GUM ARABIC Clean Amber Sorts Sphinx Brand
PHOSPHORIC ACID 75% Edible Food Grade
PHOSPHORIC ACID U. S. P. Syrupy
CALCIUM CARBIDE 14 N. D.
BORIC ACID
ZINC CHLORIDE Granular
MAGNESIUM METAL POWDER High Purity
BLEACHING POWDER 35% - 37%
PHOSPHORUS Red Amorphous
HEAVY CALCINED MAGNESIA White
COPPER SULPHATE
SODIUM PERBORATE U. S. P.
SODIUM HYDROSULPHITE
BLEACHING POWDER, High Test

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY
NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION
420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Caffeine,[1] dms., 100 lbs. or more, lb.	2.80	- 2.85
smaller lots.....lb.	2.95	- 3.25
anhydrous, dms., 100 lbs. or more..lb.	3.00	- 3.06
smaller lots.....lb.	3.15	- 3.45
Citrated, dms., 100 lbs. or more, lb.	1.95	- —
smaller lots.....lb.	2.05	- 2.80
Hydrobromide, bots.....lb.	5.29	- 5.37
Calabar beans, bgs., futures. lb.	.65	- .66
Calamus root, natural, dom., bls. lb.	.45	- .50
imported, bleached, bls..lb.	.70	- .88
Calciferol, in corn oil, dms., 10,000 units or more, works, unit.	.10	- —
1,000 to 10,000 units, works, unit.	.11	- —
less than 1,000 units, works, unit.	.12	- —
Calcium acetate, bgs., dlvd.... 100 lbs.	3.00	- 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb.	.07½	- .08
l.c.l., same basis.....lb.	.08	- .08¼
Bromide, N.F., jars.....lb.	.65	- .70
Carbide,[1] dms., c.l., works.ton.	50.00	- —
dlvd. .....ton.	87.00	-90.00
Carbonate (see Chalk and Whiting).		
Chloride, cryst., purified, bbls., jars..lb.	.28	- .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.	26.50	-35.00
l.c.l., dlvd.....ton.	28.50	-45.00
liquor, basis 40%, tanks, works..ton.	7.50	- —
solid, 73-75%, dms., c.l., dlvd. ton.	26.00	-34.50
l.c.l., dlvd.....ton.	28.00	-44.50

Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.

Calcium cyanide, dms., delivered E. of Rockies..lb.	.20	- .40
Gluconate, USP, gran., bbls.lb.	.52	- —
dms. .....lb.	.57	- .60
cns. .....lb.	.70	- —
powd., 2c. per lb. lower.		
Glutamate, kgs.....lb.	1.50	- —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb.	1.25	- —
smaller lots.....lb.	1.40	- 1.60
Hypochlorite, dms., dlvd. E. of Rockies..lb.	.22	- .26½
cans, in cases, same basis..lb.	.3778	- .4223
Iodide, bots., jars.....lb.	4.04	- 4.19
Lactate, USP, bbls.....lb.	.33	- .40
Laurate, bbls.....lb.	.28	- .30
Mandelate, USP, dense, fluffy, works, dms..lb.	2.05	- 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb.	.22½	- —
Panthothenate, doz., 100-gram bots, works..per gram.	.10	- —
Phosphate, feeding grade, bgs., works..ton.	75.00	- —
food grade, bbls., 10 or over, works..lb.	.07	- .07¾
less than 10, works.....lb.	.08	- .10
medicinal, dibasic, bgs..... 100 lbs.	11.40	-18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb.	.05¾	- —
l.c.l., frt. equald.....lb.	.06	- .06½
tribasic, bbls., c.l., works..lb.	.0635	- —
bgs., l.c.l., works.....lb.	.0645	- .0680
Resinate, precip., 5.8% Ca, 100-lb. dms..lb.	.18¼	- —
Silicate, hydrated, c.l., bgs., works..lb.	.05½	- —
l.c.l., works.....lb.	.06	- —
Stearate, precip., ctns., 2,000 lbs. to c.l., works..lb.	.29½	- —
l.c.l., works.....lb.	.30½	- —
Sulphate (see Gypsum).		

Calcium sulphide, 70%, bgs., c.l., works..ton.	45.00	- —
80%, bgs., c.l., works...ton.	50.00	- —
luminous, tins, works.....lb.	1.25	- —
Sulphocarbolate, bbls. .....lb.	.40	- .50
Tallate, 3%-4% Ca, 50-gal. dms. lb.	.13¼	- .19¼
Calcium-strontium sulphide, phosphorescent, dms., works.lb. fine particle size, works. lb.	1.00 1.50	- 1.50 - 1.75
Calendula flowers, bls.....lb.	1.25	- 1.30
Calomel, bbls., dms.....lb.	2.44	- 2.45
Camphor, natural .....lb.	No stocks	
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb.	.42	- —
10 bbls. (1,500 lbs.).....lb.	.44½	- —
5 to 9 bbls. .....lb.	.45	- —
1 to 4 bbls.....lb.	.46	- —
smaller lots .....lb.	.48	- .55
USP, gran., powd., bbls., 2,000-lb. lots..lb.	.69	- —
1,000-lb. lots .....lb.	.70	- —
smaller lots .....lb.	.71	- —
tablets, 2,000-lb. lots.....lb.	.52	- —
1,000-lb. lots .....lb.	.53	- —
smaller lots .....lb.	.54	- —
Monobromated, dms.....lb.	3.20	- —
Canada balsam (see Fir balsam).		
Cantharides, Russian, bgs.....lb.	9.00	- —
Chinese, cs. .....lb.	7.75	- 8.00
powd., bxs. .....lb.	9.00	- 9.25
Capsicum (see Pepper, red).		
Capsicum oleoresin, USP VII, cns..lb.	4.50	- 4.65
Caramel coloring, bbls.....gal.	.70	- 1.10
Caraway seed, California, Dutch type..lb.	.25½	- .26
Caraway seed, Canadian, bgs.lb.	No stocks	
Danish, bgs. .....lb.	.26	- .26½
Dutch, bgs. .....lb.	.25¾	- .26¼
futures, bgs. .....lb.	.26	- .26½
Spanish, dewhiskered, bgs..lb.	No stocks	
Swedish, bgs. .....lb.	.23½	- .24
Syrian, dewhiskered, bgs....lb.	No stocks	

Carbazole, 95%, dms., ten lots, works..lb.	.70	- —
smaller lots, works.....lb.	.80	- —
85%, dms., ten lots, works..lb.	.75	- —
smaller lots, works.....lb.	.85	- —
Carbinol, butyl, norm. dms., l.c.l., works..lb.	.27	- —
secondary, dms., l.c.l., works. lb.	.60	- —
Isobutyl, dms., c.l., works..lb.	.22½	- —
l.c.l., works .....lb.	.23½	- —
tanks, works .....lb.	.21½	- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb.	.11¾	- —
l.c.l., same basis.....lb.	.12¼	- —
tanks, same basis.....lb.	.10¾	- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss R., N. of Ohio R...lb.	.05	- —
l.c.l., same basis.....lb.	.05¾	- —
5-gal. dms., c.l., same basis. lb.	.07	- .07½
l.c.l., same basis.....lb.	.08	- .08¼
Dioxide, cyls. .....lb.	.06	- .06
Tetrachloride,[1] c.p., dms., c.l. gal.	.98	- —
l.c.l. .....gal.	1.04	- —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal.	.73	- —
l.c.l., frt. alld.....gal.	.80	- —
5 or 10-gal. dms., c.l., frt. alld..gal.	1.10	- —
l.c.l., frt. alld.....gal.	1.20	- —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal.	.80	- —
l.c.l., frt. alld.....gal.	.87	- —
5 or 10-gal. dms., c.l., frt. alld..gal.	1.04	- —
l.c.l., frt. alld.....gal.	1.14	- —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal.	.90	- —
l.c.l., frt. alld.....gal.	.98	- —
5 or 10-gal. dms., c.l., frt. alld..gal.	1.13	- —
l.c.l., frt. alld.....gal.	1.23	- —
Zone 4, 52½-gal. dms., c.l., gal.	.79	- —
l.c.l., frt. alld.....gal.	.86	- —
5 or 10-gal. dms., c.l..gal.	1.06	- —
l.c.l. .....gal.	1.15	- —
USP, cbys.....lb.	.17	.19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs., lb.	1.65	- 1.70
medium, cs. .....lb.	1.40	- 1.45
decorticated, Guatemala, cs..lb.	1.25	- 1.30
India, cs. .....lb.	1.25	- 1.30
green, Alleppey, bgs.....lb.	1.05	- 1.10
Carotene, cryst., 1,850,000 A units per gm., tins, works, 1,000,000 units.	.50	- —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd..gram.	2.85	- —
50 grams, dlvd.....gram.	2.90	- —
in vegetable oil, 250,000 USP units per gm., bots., works, lb.	37.80	- —
50,000 USP units per gm., bots., works..lb.	3.45	- —
dms., works.....lb.	7.65	- —
3,600 A units per gm., tins, works, 1,000,000 units.	.55	- —
dms., works..1,000,000 units.	.50	- —
3,300 USP units per gm., dms., works..lb.	.66	- .71
Carvol, bots. .....lb.	14.75	-22.50
Cascara sagrada bark, bulk....lb.	.40	- .42
Case-hardening mixture, 30% gran., dms., l.c.l..lb.	.09¾	- —
slabs, dms., l.c.l.....lb.	.08¾	- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb.	No prices	
2,000 lbs. or more, but under 10,000 lbs., same basis..lb.	No prices	
less than 2,000 lbs., same basis..lb.	No prices	
rennet-precip., bgs., 10,000 lbs. or more, same basis. basis..lb.	No prices	
2,000 lbs. or more, but under 10,000 lbs., same lb.	No prices	
less than 2,000 lbs.....lb.	No prices	
imp., acid-precip., ground, bgs., 100 bgs. or more..lb.	No prices	
rennet-precip., unground, 100 bgs. or more..lb.	No prices	
Cassia, Batavia No. 1, Thinquill bls..lb.	.60	Nom.
No. 1, regular, bls.....lb.	Nominal	
shortstick, bls.....lb.	.50	Nom.
broken, bls.....lb.	.48	Nom.
China buds, bgs.....lb.	.36	- .37
Kwangsi, broken, bls.....lb.	.19	- .20
rolls, selected, cs.....lb.	.21½	- .22
extra select, broken, bls..lb.	.15½	- .16
Saigon, all medium, futures..lb.	.37½	- .38
4-10-4, bls. .....lb.	.40	- .44
Cassia fistula, bskts.....lb.	.26	- .28
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S..long ton.	165.00	- —
Oil (see Oil, castor).		
Pomace,[1] bgs., c.l., works... unit-ton.	3.15	- 4.75
Castoreum, nat., cns.....lb.	8.00	-12.00
synthetic, cns. .....lb.	10.00	-21.00
Catechol, CP, cryst., works, fib. dms., frt. alld..lb.	1.90	- —
resublimed, works, frt. alld., dms..lb.	3.25	- —
Catnep, bls. .....lb.	.60	- .65
Celery seed, French, bgs.....lb.	1.00	Nom.
Indian, bgs. .....lb.	.25	- .26
Celluloid scrap (see Pyroxylin scrap).		
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb.	.30	- —
granules, ctns., same basis.lb.	.35	- —
acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb.	.45	- —
1,000-4,000 lbs., frt. alld..lb.	.46	- —
50-lb. ctns., 100-900 lbs., frt. alld..lb.	.47	- —
smaller pkgs., works..lb.	.48	- —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb.	.43	- —
1,000-4,000 lbs., frt. alld..lb.	.44	- —
100-900 lbs., frt. alld..lb.	.45	- —
smaller pkgs., works..lb.	.46	- —

Granules are 5c. per lb. higher, all quantities.

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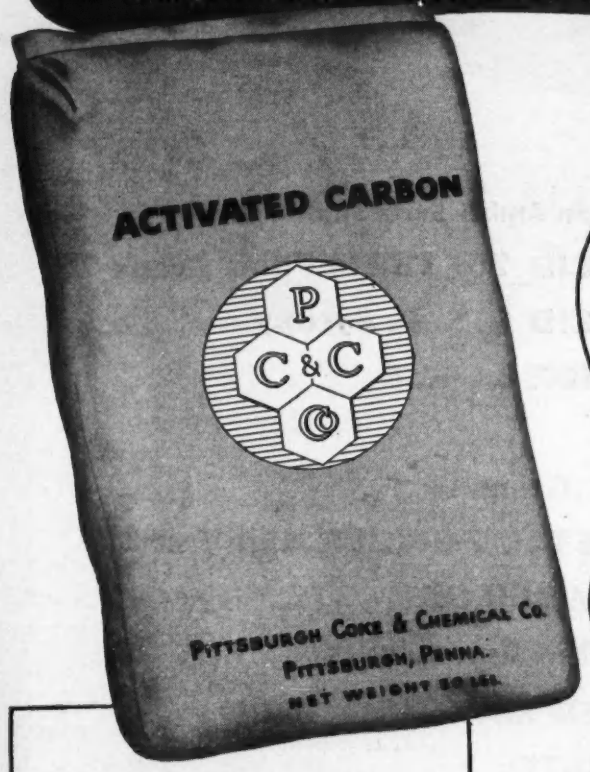

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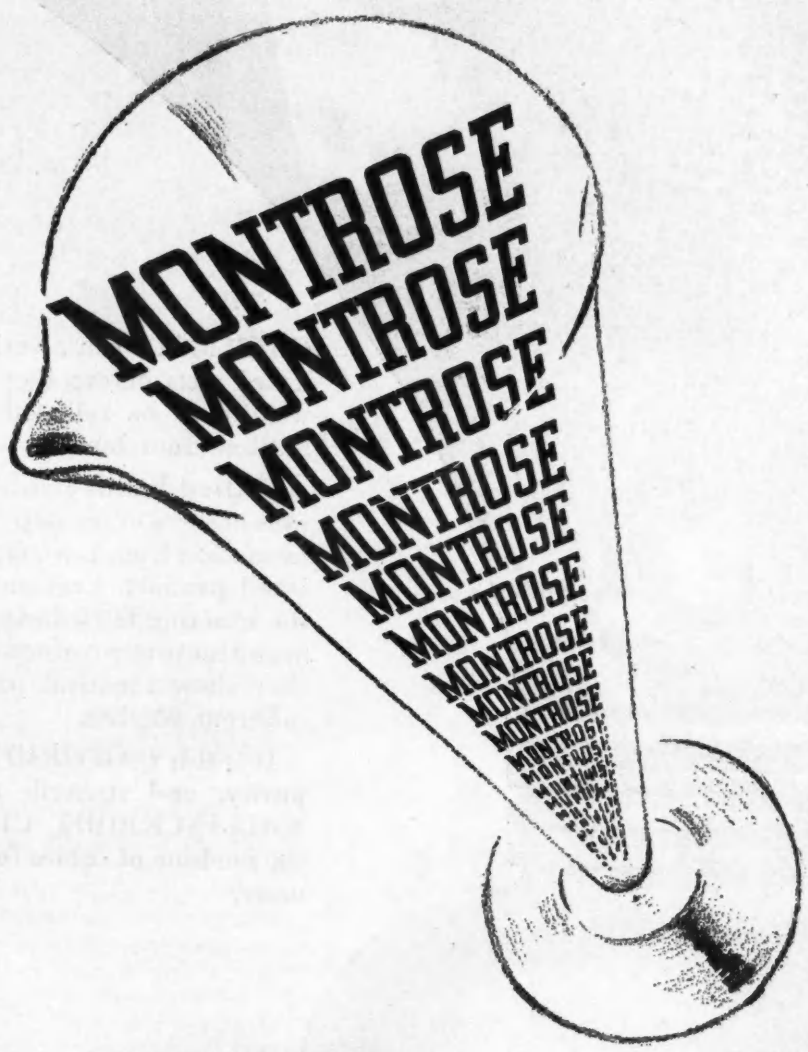
Cellulose acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works..lb. .48 - —
Granules are 5c. per lb. higher all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
Cerium hydrate, dms., works..lb. 1.00 - —
Oxalate, NF, bbls., kgs., works, lb. .50 - .52
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 -40.00
rubbermakers, bgs., c.l., works. ton.30.00 - —
Chamomile, Hungarian type, cs., lb. .90 - .95
Roman, bls., futures.....lb. 1.45 - 1.50
Charcoal, hardwood, lump, bulk, c.l., works..ton.38.00 -39.50
bur, bgs., included, c.l., works..ton.41.50 -46.80
briquets, bulk, c.l., works.ton.44.50 -49.00
bgs., c.l., works.....ton.49.80 -50.50
granular, all grades, bgs., works..ton.46.80 -48.80
screenings, bgs., works...ton.31.20 -33.15
Pinewood,[7] lump, bgs., c.l., Southern shipping point.ton.20.00 -24.00
granular, powd., bgs., c.l., works, South..ton.22.20 -24.20
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07

Chestnut extract, standard 25% tannin, bbls., c.l., works. 100 lbs. 3.82 - 4.60
l.c.l., works.....100 lbs. 4.07 - 4.85
tanks, works.....100 lbs. 3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 9.02 - 9.96
l.c.l., works....100 lbs. 9.77 -10.71
Chillies (see Pepper, Red).
China clay, dom., dry-grd., air-float, 99.75%, 500 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -21.00
powd., cks., l.c.l., ex whse. ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .95
Chlorinated rubber[8] standard, ctns., 100 lbs. up, works.lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l....lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .26
USP, dms. .....lb. .30 - .33

Chloropicrin, com'l, 100 lb. cyl., 100-lb. cyls., same basis.lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms., works. lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms., works..lb. 3.00 - 3.10
Chrome acetate, powd., 23% Cr., bbls., works..lb. .32 - .34
ton lots, works..lb. .30 - .33
solut., 9%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- .06¾
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots. .....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., can..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchopen, NF, heavy, dms., works..lb. 3.70 - 3.80
standard, dms., works.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .83 - 1.15
Cinnamon, Ceylon, No. 2, bls..lb. 1.20 - 1.30
Citral, bots., cns.....lb. 7.25 - 9.00
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove, Madagascar, bls.....lb. .13½- .14
futures, bls. .....lb. .13¾- .14¼
Zanzibar, bls. .....lb. .15½- .16
futures, bls. .....lb. .15⅝- .16
Clover tops, red, dom., bgs....lb. .65 - .70
imported, bgs. .....lb. No stocks

Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
tanks, works .....gal. .07⅛- .09⅛
refd., 50-gal., bbls., c.l., works, bbl. 8.75 - —
l.c.l., works .....bbl. 9.25 - —
tanks, works .....gal. .08⅛- .09⅛
water-gas, crude, 55-gal. dms., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
refd., 55-gal. dms., c.l., works, dm. 8.75 - —
l.c.l., works .....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .33¾- —
feed grade, 23¼% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.59 - —
feed grade, 49¼% Co, kgs..lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 5%, dms...lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .38½- —
Soyate, 3%-3.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, ozs..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .48
Cocoa butter,[1,7] bulk, ship. pt.lb. .38 - —
Cocillana bark, bgs.....lb. .60 - .61
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .24 - .25
blue, bls.....lb. .24 - .25
Colchinine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .29½
Flexible, USP, dms.....lb. .21 - .22
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .52 - .53
Colombo root, bls.....lb. .14 - .15
Coltsfoot leaves, bgs.....lb. .57 - .60
Condurango bark, bgs.....lb. .18 - .19
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .95 - 1.00
Copper acetate, cupric, bbls., works..lb. .25¼- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide, tech., bbls.....lb. .34 - .38
Hydrate, dms.....lb. .18 - —
Iodide, bots.....lb. .34 - .38
Metal,[1] electrolytic. .....lb. .14¾- —
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate, tech., cryst., bbls..lb. .19½- .20¼
Oleate, precip., bbls.....lb. .22½- .23½
Oxide, black, bbls., works...lb. .19 - .20
red, com'l, bbls., works...lb. .21 - .24½
Oxychloride-sulphate,[6] bgs..lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .18¾- —
Stearate, bgs., works.....lb. .35½- —
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.65 - —
l.c.l., 700 to 30,000 lbs.. 100 lbs. 5.80 - 6.15
monohydrated, dms., c.l., dlvd. 100 lbs.10.10 - —
l.c.l., dlvd.....100 lbs.10.85 - —
tribasic, bgs., works, c.l....lb. .17¾- —
l.c.l., same basis.....lb. .18¼- —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.26.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[1,7] c.i.f. Pacific ports..ton.110.25 - —
c.i.f. Atlantic or Gulf ports.. ton.115.505 - —
Coriander seed, Argentine, bgs. lb. .06¼- .06¾
Indian bgs.....lb. No stocks
Italian, bgs., if released....lb. .05¾- .06¼
Morocco, bgs. .....lb. No stocks
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min. 100 lbs. 5.906 - —
bbls., c.l., same basis.... 100 lbs. 6.099 - —
Syrup, 42°, bbls., c.l....100 lbs. 6.777 - —
l.c.l. .....100 lbs. 6.877 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .40 - .45
Cottonseed hull ash, 32-36% potash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, mills, c.l..ton.59.00 -64.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .60 - .90
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .45¼- —
smaller lots, bbls., kgs., lb. .46 - .46½
Creosote carbonate, bots., cbys., lb. 2.10 - 2.80
Coaltar (see Cresol).
Oil,[3] coaltar, crude, tanks, works..gal. .15½- .16½
refined, dms., c.l., works, gal. .247 - .265
l.c.l., same basis....gal. .26 - .31
tanks, same basis....gal. .18 - .19½
solution, tanks, works....gal. .141 - .149
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, N.F., bots., cbys.lb. .60 - .77
Pine, dms.....gal. .31 - .32
Cresol,[9] special resin grades, dms., c.l., works, frt. equald. lb. 10¼- .11¼
l.c.l., same basis.....lb. .10¼- .12¾
tanks, same basis.....lb. 09¼- .11½
USP, dms., c.l., same basis..lb. .11¼- .12¾
l.c.l., same basis.....lb. .11¾- .12¾
tanks, same basis.....lb. .10 - .11½
Croton aldehyde, 91-93%, 55 and 110 gal. dms., l.c.l., works lb. .13½- —
5 and 10-gal. dms., l.c.l. works..lb. .17 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss R..lb. .08½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .36 - —



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Prepared Monthly by U. S. Industrial Chemicals, Inc.

U.S.I. CHEMICAL NEWS

October ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1946

Air Speed Record Set With Alcohol-Water-Injection

The Labor Day Thompson Trophy race—America's annual speed classic of the air—was won this year by Major "Tex" Johnston with a record speed of 373.908 miles per hour. Johnston, flying a Bell P-39 Airacobra for Skylines Unlimited, flashed his plane around the 300-mile Cleveland course, winning easily in a field of twelve starters.

The Thompson Trophy winner used alcohol-water-injection in his Allison engine, "souping up" his racer to maximum performance. Essential ingredient of the alcohol-water-injection used by Johnston is U.S.I.-manufactured "Vitol," a product employed during the war as a source of tremendous emergency power for fighter planes. Wide peacetime use in fuel-injection systems and application in other unique aviation power-plants is forecast for this specially-developed extra-power compound.

Says "Moon Blindness" Is Controlled by Riboflavin

Periodic ophthalmia, which causes temporary and frequently permanent blindness in horses has been found to be due to a deficiency of riboflavin in the diet, according to an American scientist. The disease, known as "moon blindness," can be avoided, he asserted, by adding riboflavin to the diet at the rate of 80 grams per ton of feed. This eye trouble is said to cost American horsemen more than $17,000,000 each year. Two new natural riboflavin concentrates, which also contain other members of the vitamin B complex, are now being offered by U.S.I.

To Make Sweeter Sugar

A plant is now being built to manufacture a sugar claimed to be one and one-half times sweeter than either cane sugar or beet sugar, it was announced recently. This super-sweet sugar is reported to come from the carbohydrates of the Jerusalem Artichoke, a plant native to the state of Washington.

Victims of starvation whose digestive systems can no longer handle a square meal are speeded on their way to recovery by new therapeutic uses of amino acids. Methionine is one of these amino acids.

THE MONTH IN COSMETICS

Experiments show that cold permanent wave solutions may be applied safely to unbroken human skin for as long as 24 hours . . . A new sunray protective agent is developed in Italy . . . A British scientist invents a substitute for hard vegetable waxes such as carnauba and candelilla . . . Lipstick which will not bleed, sweat or crumble even under sub-zero or humid tropical conditions is announced . . . A report on the comparative efficiency of commercial wetting agents is made . . . Myosinine is identified as the agreeable odor of cigar smoke . . . New glycerin substitutes, called alrohydrines, are now offered by an Eastern company . . . A new mechanical, dustless, and screenless pulverizer is placed on the market . . . A British scientist invents a method for the production of permanent lettering on soap.

Wider Methionine Use Seen As Result Of Low-Cost Synthesis

New U.S.I. Process Increases Availability of Vital Amino Acid

Increased availability of methionine, made possible by a new U.S.I. manufacturing process which slashes costs about 97 per cent, has spurred investigations into the development of new uses for this compound. Although supplies of methionine are still limited, much work is being performed in laboratories and clinics to extend the already wide applications of this vital amino acid. At the present time, major uses of methionine include the treatment of liver damage and toxic poisoning, and the fortification of oral and intravenous protein hydrolysates. Active interest in this compound as a means of enriching foodstuffs has also been shown.

Essential Amino Acid

Methionine is one of the ten amino acids considered essential for the growth and repair of animal tissue. In addition, it has proved successful in the therapy of liver damage, and promises great things, in combination with other amino acids, in the treatment of burns, shock, exposure, and poisoning. It has also been employed to enrich protein hydrolysates—those "predigested proteins" which have had dramatic success in the treatment of peptic ulcers and in the cure of near-fatal starvation cases.

Was Once Rare Chemical

Although some of the therapeutic applications of this compound have been known for some time, physicians could take little advantage of them, because up to the present,

(*Continued on next page*)

New Reagent Simplifies Vitamin A Determinations

The accurate estimation of Vitamin A in blood serum, fish oils, and pharmaceutical products may now become a simple routine procedure because of the availability of a new colorimetric reagent, it was announced recently. This new reagent, a derivative of glycerol dichlorhydrin, is said to develop a color with Vitamin A which is stable for at least eight minutes, permitting its absorption to be determined with extreme accuracy. In contrast, previous methods, using antimony trichloride, produce a color so transient that its absorption must be read in four seconds. This new reagent is claimed to be stable, non-toxic, and non-corrosive.

Chemistry As a Profession

What the chemist or would-be chemist may expect from his profession is the subject of a 20-page booklet published recently. The types of employment available and the training required are among the many topics discussed.

U.S.I. Is Forty Years Old

THE FIRST U.S.I. AD—In 1908 when this ad was published, U. S. Industrial Chemicals, Inc., then known as U. S. Industrial Alcohol Co., was two years old. At that time, the company was concerned primarily with the production of ethyl alcohol for industrial purposes. Since then, U.S.I. has expanded its activities into the manufacture of a wide range of other chemicals. Today, as U.S.I. celebrates its fortieth anniversary, it is producing solvents, resins, plasticizing agents, feed concentrates, and other basic chemicals which have become vital in the protective coatings, automotive, petroleum, drug, cosmetic, food, tobacco, and other industries, as well as in hospital and scientific institutions.

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October ★ **U.S.I. CHEMICAL NEWS** ★ 1946

Water-Soluble Cellulose Derivative Has Many Uses

A new water-soluble cellulose derivative, said to be used as a film-forming material, sizing agent, binder, thickening agent, preservative colloid in aqueous solutions, and as an adhesive for paper and textiles, is now on the market. It is described as white or slightly yellow flakes, which are odorless, tasteless, and non-toxic. This compound keeps for an unlimited time in clean, stainless containers, and is resistant to frost, heat, fats, oils, and alkalis, according to the manufacturer. It is reported to be manufactured by treating high alpha wood pulp with a mixture of etherifying agents.

U.S.I. Booklets Available

Products of U.S.I.—a new descriptive folder listing U.S.I. products and their more common uses may now be obtained without charge by writing to the nearest district office of U.S.I.

U.S.I. in The World of Chemistry—a 48-page booklet describing the use of U.S.I. chemicals in modern industry. Requests for copies should be sent to the New York Office of U.S.I.

New Rubber Preservatives

New chemicals, said to be effective in concentrations as low as one part in 100,000 by weight, are claimed to inhibit the deterioration of rubber, according to a patent issued recently. The chemicals are described as metallic complexes of phthalocyanines.

Methionine

(Continued from preceding page)

methionine has been considered one of the rare organic chemicals. It was available only in minute quantities and at costs of several hundred dollars a pound. The new U.S.I. low-cost synthesis now makes possible the use of this essential amino acid for much-needed clinical applications as well as for experimental purposes.

New Chemical Process Speeds Lumber Drying

A process which dries lumber four times faster than kiln drying is claimed by a Western lumber company. Wood dried by this process is reported to be free of pitch, and to have a lighter and more natural color with minimum warping. Acetone is the principal chemical used in extracting water from the wood, according to the inventors. Solvent recovery is said to be as high as 99.5 per cent.

Extends Visual Limits

New equipment which, when added to an ordinary light microscope extends the range of human vision far beyond present limits has been announced recently. The converted instrument, called a phase microscope, permits the observation and study of many living cells, tissues, microorganisms and industrial materials so transparent that heretofore little or no detail could be seen in them.

New Beilstein Available

The latest edition of Beilstein's "Handbuch der Organischen Chemie," for many years the leading reference book in its field, has arrived in this country recently. It is available in a micro-film edition.

"Hey, Joe, I've done it! A non-metallic metal!"
Courtesy Materials and Methods

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

To eliminate windshield fogging and icing, a new development has been announced, described as a permanent, transparent coating applicable on plate glass, laminated safety glass, and multiple-glazed units. **(No. 116)**

USI

A new synthetic dispersing agent, said to be useful in producing pitch and other types of dispersions, is claimed to increase the fluidity of clay in concentrations of less than one in 100. **(No. 117)**

USI

Two new rust inhibitors are reported to prevent rust even when metal materials are in constant contact with brine solutions. **(No. 118)**

USI

A new absorbent is claimed to absorb from 120 to 140 per cent of its own weight of oil, grease, and water. **(No. 119)**

USI

To waterproof walls or floors, a new preparation has been developed which can be applied like paint, the manufacturer states. It is claimed to provide a smooth, hard, washable, and grime-resistant finish. **(No. 120)**

USI

A new insulating material, claimed to be as good as cork board, is reported to weigh only 1/10 as much as cork board and to be less expensive. **(No. 121)**

USI

To remove all types of stains is the purpose of a new line of chemicals, claimed to clean fabrics of rust, paint, glue, shoe polish, lipstick, nail polish, oils, and other hard-to-remove substances. **(No. 122)**

USI

Two new-type humidity indicators are now on the market. One is described as sensitive labels, smaller than postage stamps, which change color reversibly with the humidity. The other is an ink which may be painted or sprayed on all types of material and which is said to behave in the same way. **(No. 123)**

USI

To solve algebraic problems quickly, a new desk calculator is now being marketed which can provide the answer to as many as twelve linear simultaneous equations automatically, the manufacturer claims. **(No. 124)**

USI

A new-type maximum-minimum thermometer is stated to show high or low points during a given period by means of a single pointer instead of the usual complicated apparatus. **(No. 125)**

USI

To clean incrusted cement and concrete from tools, equipment, and forms is the purpose of a new substance, described as a clear, almost odorless, non-flammable liquid, harmless to metal and wood. **(No. 126)**

USI

To dye thermoplastics, a new solution has been developed which can be used at room temperatures according to the manufacturer. **(No. 127)**

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Ethyl Acetate

OXALIC ESTERS
Dibutyl Oxalate
Diethyl Oxalate

PHTHALIC ESTERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate

OTHER ESTERS
*Diatol
Diethyl Carbonate
Ethyl Chloroformate
Ethyl Formate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Alpha-acetylbutyrolactone
5-Chloro-2-pentanone
5-Diethylamino-2-pentanone
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Alpha-Oxalpropionate
Ethyl Sodium Oxalacetate
Methyl Cyclopropyl Ketone

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

FEED CONCENTRATES
*Curbay B-G
*Curbay Special Liquid
*Vacatone 40 • Riboflavin Concentrates

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RESINS
Ester Gums—all types
Congo Gums—raw, fused & esterified
*Aroplaz—alkyds and allied materials
*Arotene—pure phenolics
*Arochem—modified types
Natural Resins—all standard grades

OTHER PRODUCTS
Collodions
Ethylene
Ethylene Glycol
Urethan
Nitrocellulose Solutions
dl-Methionine

Printed in U.S.A.

Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culvers root, bls.....lb. .40 - .45
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .37 - .37½
Morocco, bgs.....lb. No stocks
Persian, bgs., futures.....lb. .38 - .39
Syrian, bgs., futures.....lb. .37 - .38
Cutch, bgs.....lb. No stocks
Cyanamide[6] fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½ -
21% N., pulv., bgs. same basis..unit-ton. 1.52½ -
Cyclohexane, tech., dms. c.l., works..lb. .10½ -
l.c.l., works.....lb. .11 -
tanks, works.....lb. .09½ -
Cyclohexanol, 99%-100%, dms., works..lb. .21 - .22
Cyclohexanone, 97½% min., dms., c.l., works..lb. .20 - .22
tech., dms., c.l., works....lb. .20 -
l.c.l., works.....lb. .20½ -
tanks, works.....lb. .19 -
Cyclopropane, USP, cyls. divd., gal. .27 -

D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 -
ton lots, works.....lb. .50 -
tins, smaller lots, works...lb. .53 - .60
Decanol, normal, tech., dms., divd..lb. .35 -
Deertongue, bls.....lb. .34 - .35
Defluorinated phosphate,[1] paper bgs., works..ton. 35.73 -
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .23 - .25
over 2% ffa, bbls.....lb. .22 - .24
Derris root (see Cube root).
Dextrin,[1] British gum, bgs., c.l. 100 lbs. 7.30 -
l.c.l.....100 lbs. 7.40 -
Chicago, bgs., c.l....100 lbs. 6.90 -
Corn, canary, bgs., c.l..100 lbs. 7.04 -
l.c.l.....100 lbs. 7.14 -
Chicago, bgs., c.l..100 lbs. 6.64 -
dark, bgs., c.l.....100 lbs. 7.14 -
l.c.l.....100 lbs. 7.24 -
Chicago, bgs., c.l....100 lbs. 6.74 -
white, bgs., c.l.....100 lbs. 6.89 -
l.c.l.....100 lbs. 6.99 -
Chicago, bgs., c.l..100 lbs. 6.49 -
Potato, dom., bgs., c.l.....lb. .10 - .10¼
l.c.l.....lb. .10½ - .11
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.20 - 5.55
laboratory grade, bots..... 100 grams. 4.50 -
tech., bots., works..... ....lb. 3.00 -
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., divd..lb. .2170- .2200
l.c.l., divd.....lb. .2220- .2250
tanks, divd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 -
Diatomaceous earth, dom. CP, bgs., c.l., Atlantic coast.lb. .07 -
l.c.l., ex whse.....lb. .10 - .18
nat., bgs., c.l., Pacific coast. ton. 22.00 - 25.00
l.c.l., ex whse.....ton. 45.00 -
purified, bgs., c.l., Atlantic coast..ton. 55.00 - 59.00
l.c.l., ex whse.....ton. 86.00 - 90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 -
l.c.l.....lb. .09 -
Dibutyl, phthalate,[1] 5-gal. cns., works..lb. .2960- -
1-gal. cns., works.....lb. .3160- -
dms., c.l., works.....lb. .2000- .2510
l.c.l., works.....lb. .2050- .2560
tanks, works.....lb. .1900- .2410
Sebacate,[1] dms., c.l., works.lb. .5570- -
l.c.l., works.....lb. .5620- -
tanks, works.....lb. .5470- -
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .66 -
l.c.l., works.....lb. .69 -
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 -
l.c.l., same basis.....lb. .17 -
tanks, same basis .....lb. .15 -
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½ -
l.c.l., same basis.....lb. .24½ -
tanks, same basis.....lb. .22½ -
Diethyl carbonate, com'l, dms.lb. .3585- -
refd., 99%, dms.....lb. .90 -
Oxalate, dms., c.l., divd.....lb. .20½ -
l.c.l., divd.....lb. .21 -
Phthalate,[6] dms., c.l., divd..lb. .21½ -
tanks, divd.....lb. .20½ -
Sulphate, dms., c.l., works..lb. .14 -
l.c.l., works.....lb. .15 -
tanks, works.....lb. .13 -
Diethylamine, dms., c.l., works.lb. .44 -
l.c.l., works.....lb. .46 -
tanks, works.....lb. .40 -
Diethylaminoethanol, dms. l.c.l., works, frt. alld. E. of Miss. R..lb. .75 -
Diethylanilin, dms.....lb. .40 -
Diethyleneglycol, dms., c.l., frt. alld. to E..lb. .14 -
l.c.l., same basis.....lb. .15 -
tanks, same basis.....lb. .13 -
Monobutylether, dms., c.l., works..lb. .22 -
l.c.l., works.....lb. .23 -
tanks, works.....lb. .21 -
Monoethylether, dms., c.l., wks. lb. .15½ -
l.c.l., works.....lb. .16½ -
tanks, works.....lb. .14½ -
Digitalis leaves, dms.....lb. 1.05 - 1.15
Diglycol laurate, dms.....lb. .31 - .33
Oleate, light, bbls., c.l.....lb. .17 -
Stearate, bbls., c.l.....lb. .23 -
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms. works. lb. .19 -
Dillseed, decorticated, bgs.....lb. .14½ - .15
dewhiskered, bgs. .....lb. .10½ - .11
Dimethyl phthalate, dms., c.l., divd..lb. .20 -
l.c.l., divd.....lb. .20½ -
tanks, divd.....lb. .19 -
Dimethylene, anhyd., cyl., frt. alld. E. of Miss., 100% basis. lb. .37½ -
solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .47½
tanks, same basis.....lb. .36 -
Dimethylanilin, dms., c.l.....lb. .21 -
l.c.l.....lb. .22 -
Dinitrobenzene, bbls.....lb. .18 -
Dinitrochlorobenzene, dms.....lb. .14 -
Dinitronaphthalene, kgs.....lb. .25 - .28
Dinitrophenol, bbls.....lb. .22 -
Dinitrotoluene, dms.....lb. .18 -
oily, dms.....lb. .05 -
Diorthotolylguanidin, dms., ton lots, divd..lb. .44 -
smaller lots, divd.....lb. .46 - .47

Dioxan, dms., c.l., frt. alld..lb. .20 -
l.c.l., same basis.....lb. .21 -
tanks, same basis.....lb. .19 -
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., divd. E..gal. .70 - .71
tanks, divd. E.....gal. .60 - .61
steam-dist., dms., divd. E..gal. .71 - .75
tanks, divd. E.....gal. .62 - .66
Diphenyl,[6] bbls., c.l., works...lb. .15 -
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .46 - .55
dms.....lb. .43 - .45
Diphenylamine, bbls.....lb. .25 -
Diphenylguanidin, dms., tons..lb. .35 -
smaller lots.....lb. .36 - .37
Divi-divi,[1,6] 42% tannin, c.l., U.S. ports, ex dock..ton. 70.00 - 71.00
38% tannin, c.l., same basis.. ton. 68.00 - 69.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .49 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs..... .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns....lb. 13.00 -
Green, FD&C, No. 1 cns....lb. 13.00 -
No. 2, cns.....lb. 17.00 -
No. 3, cns.....lb. 27.00 -
Orange, FD&C, No. 1, cns..lb. 2.80 -
No. 2, cns.....lb. 3.55 -
Red, FD&C, No. 1, cns.....lb. 3.75 -
No. 2, cns.....lb. 3.05 -
No. 3, cns.....lb. 17.00 -
No. 4, cns.....lb. 5.50 -
No. 32, cns.....lb. 4.05 -
Yellow, FD&C, No. 1 cns..lb. 3.00 -
No. 3, cns.....lb. 2.55 -
No. 4, cns.....lb. 2.55 -
No. 5, cns.....lb. 3.05 -
No. 6, cns.....lb. 3.05 -

Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns....lb. 8.35 -
Blue, D&C, No. 4, cns.....lb. 12.35 -
Brown, D&C, No. 1, cns.....lb. 12.35 -
Green, D&C, No. 5, cns.....lb. 12.35 -
No. 6, cns.....lb. 12.35 -
Orange, D&C, No. 5, cns....lb. 8.35 -
No. 4, cns.....lb. 15.35 -
No. 10, cns.....lb. 15.35 -
Red, D&C, No. 3, cns.....lb. 2.85 -
No. 17, cns.....lb. 8.35 -
No. 18, cns.....lb. 15.35 -
Yellow, D&C, No. 7, cns....lb. 8.35 -
No. 8, cns.....lb. 8.35 -
No. 11, cns.....lb. 10.35 -
No. 10, cns.....lb. 15.35 -
No. 22, cns.....lb. 8.35 -
No. 34, cns.....lb. 12.35 -
No. 37, cns.....lb. 12.35 -
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb. 12.35 -
Green, Ext., D&C, No. 1, cns. lb. 12.35 -
Red, Ext. D&C, No. 1, cns..lb. 10.35 -
No. 3, cns.....lb. 21.35 -
No. 8, cns.....lb. 7.35 -
No. 10, cns.....lb. 12.35 -
No. 13, cns.....lb. 12.35 -
Yellow, Ext. D&C, No. 1, cns., lb. 8.35 -
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .90 - 1.00
58 Victoria violet .....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.60 - 1.60

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
289 Chrome black F.....lb. .85 - .88
304 Paper yellow .....lb. .80 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.35
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.30
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F.....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
446 Benzo purpurin 4B...lb. .05 - .08
405 Benzo purpurin 10B..lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
530 Direct pure blue.....lb. .50 - 1.00
539 Direct fast black FF.lb. .55 - 1.00
561 Direct black EW.....lb. .50 - .54
562 Direct black RX.....lb. .35 - .45
502 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
686 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .35 - .50

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Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—

1177	Indigo, 20%, paste	lb.	.15 - .18
	Dense fast black L	lb.	.90 - 1.00
	Sulphur black	lb.	.30 - .35
	Sulphur blue	lb.	.45 - 1.00
	Sulphur brown	lb.	.25 - .50
	Sulphur maroon	lb.	.40 - —
	Sulphur tan	lb.	.30 - .50
	Sulphur olive	lb.	.25 - .54
	Sulphur yellow	lb.	.30 - .50
	Zambesi black	lb.	.75 - .80

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—			
865	Nigrosin derivatives	lb.	.36 - .44
Blue—			
7075	Alizarin astral base	lb.	15.00 - —
1073	Alizarin cyanin, green base	lb.	6.00 - —
Brown—			
	Brown, oil soluble	lb.	1.15 - —
Green—			
1076	Alizarin cyanin green base	lb.	5.00 - —
Orange—			
24	Sudan I	lb.	.75 - —
	Red shade	lb.	.75 - —
Red—			
75	Sudan II	lb.	1.05 - —
26	Sudan IV	lb.	.85 - —
660	Oil violet	lb.	.60 - —
749	Rhodamine B (oil pink)	lb.	2.50 - —
1060	Anthraquinone, violet base	lb.	6.00 - —
Yellow—			
16	Amidoazobenzene yellow	lb.	.90 - —
17	Amidoazotoluene yellow	lb.	.75 - —
61	Yellow OB	lb.	1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—			
246	Naphthol blue black S	lb.	.50 - —
729	Victoria blue B	lb.	1.85 - —
861	Indulin	lb.	.67 - —
873	Methylene gray	lb.	1.50 - —
909	New blue P	lb.	1.30 - —
922	Methylene blue	lb.	1.00 - —
1054	Alizarin saphirol B	lb.	1.90 - —
1190	Indigotin IA	lb.	.85 - —
Blue—			
714	Patent blue A	lb.	1.05 - 1.10
Brown—			
231	Bismarck brown G	lb.	.47 - .63
234	Resorcin brown Y	lb.	.35 - —
235	Resorcin dark brown R	lb.	.60 - —
632	Bismarck brown R	lb.	.47 - .65
798	Phosphin	lb.	4.65 - —
Green—			
5	Naphthol green B	lb.	1.00 - —
657	Malachite green	lb.	1.35 - —
663	Brilliant green	lb.	2.00 - —
666	Guinea green B	lb.	1.15 - —
737	Wool green S	lb.	.58 - —
924	Methylene green B	lb.	1.55 - —
1078	Alizarin cyanin green	lb.	2.00 - —
Orange—			
10	Chrysodin G	lb.	.44 - —
21	Chrysodin R	lb.	.41 - —
27	Orange G	lb.	.50 - —
31	Amidonaphthol red G	lb.	.42 - —
37	Amidonaphthol red 6B	lb.	.68 - —
151	Orange T	lb.	.31 - .33
161	Orange R	lb.	.34 - —
Red—			
79	Ponceau R	lb.	.48 - —
88	Fast red B	lb.	1.65 - —
176	Fast red A	lb.	.54 - —
179	Azorubin	lb.	.60 - —
183	Crocein scarlet 3BX	lb.	.72 - .75

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lbs lots and up, 3c. per lb. higher, sellers' works or warehouse).

185	Cochineal red A	lb.	.60 - —
252	Brilliant crocein M	lb.	.68 - —
677	Fuchsin	lb.	2.10 - —
749	Rhodamine B	lb.	3.50 - —
752	Rhodamine 6B	lb.	4.50 - —
768	Eosin G	lb.	1.80 - —
841	Safranin	lb.	1.45 - —
Violet—			
680	Methyl violet B	lb.	.70 - .75
681	Crystal violet B	lb.	1.75 - —
695	Acid violet 4BN	lb.	.68 - —
Yellow—			
10	Naphthol yellow S	lb.	.83 - —
138	Metanil yellow	lb.	.56 - .58
636	Fast light yellow	lb.	1.25 - —
639	Xylene light yellow	lb.	1.15 - —
640	Tartrasin	lb.	.80 - —
655	Auramine	lb.	1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—			
864	Nigrosin	lb.	.36 - .44
Blue—			
860	Indulin	lb.	.60 - .70
Brown—			
331	Bismarck brown	lb.	1.50 - —
Green—			
637	Malachite green base	lb.	2.00 - —
Orange—			
20	Chrysoidin G	lb.	.95 - —
21	Chrysoidin R	lb.	.96 - —
Red—			
677	Fuchsin, magenta, base	lb.	7.25 - —
749	Rhodamine R	lb.	4.75 - —
Yellow—			
67	Amidoazotoluene yellow	lb.	.75 - —
655	Auramine	lb.	2.00 - —
800	Chinolin yellow SS	lb.	2.00 - —
Violet—			
680	Methyl violet base	lb.	.35 - —

Dyes, natural (see name of article).

E

Echinacea root, bls	lb.	.70 - .75
Egg,[1,7] albumen (see Albumen).		
Yolk,[1,7] dried, dom., bbls	lb.	1.10 - 1.16
imported	lb.	No stocks
Elder flowers, bright, bls	lb.	.34 - .35
Elecampane root, bls	lb.	.45 - .50
Elm bark, grinding, bls	lb.	.35 - .36
powd., bbls., bxs	lb.	.55 - .56
select, bndls	lb.	.55 - .56
Emetine hydrochloride, bots	oz.	53.50 -54.00
Ephedra, bls	lb.	.28 - .30
Ephedrine, natural, USP, anhydrous, bots	oz.	1.15 - 1.65
Hydrochloride, tins	oz.	.95 - 1.45
Sulphate, tins	oz.	.95 - 1.45
100 ozs.	oz.	.65 - —
synthetic, USP, anhydrous, bots. hydrous, bots., 100 oz.	oz.	.65 - —
Hydrochloride, tin, 100 ozs.	oz.	.50 - —
Sulphate, cryst., tins, 100 ozs.	oz.	.48 - —
Epinephrine, synth., USP, bots.	gram	.70 - .95
Epsom salt, tech., cryst., bgs., f.i.	100 lbs.	1.80 - 1.95
l.c.l.	100 lbs.	2.15 - 2.40
dried, bgs	lb.	.03½- —
l.c.l., bgs	lb.	.04 - .07
USP, cryst., bgs., l.c.l.	100 lbs.	2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.25 - —
smaller lots	100 lbs.	2.50 - —
bbls., c.l.	100 lbs.	2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.35 - —
smaller lots	100 lbs.	2.60 - —
kgs., c.l.	100 lbs.	2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.60 - —
kgs., smaller lots	100 lbs.	2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns	lb.	1.55 - 1.90
Eserine, bots	oz.	No prices
Sulphate, bots	oz.	63.00 - —
Ether, acetic (see Ethyl acetate).		
Amyl (see Amyl ether).		
Butyl, l.c.l., dms., divd	lb.	.30 - —
Ethyl (see Ether, sulphuric).		
Nitrous, cons., bots., 100 lbs	lb.	.98 - 1.16
Sulphuric, cons., dms	lb.	.11 - .16
USP anesthesia, hospitals, 1-lb. cns.	lb.	.60 - .61
Synthetic, dms., c.l., frt. alld.	lb.	.11 - —
l.c.l., same basis	lb.	.12 - —
tanks, same basis	lb.	.09 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.154§- —
l.c.l., frt. alld	lb.	.159§- —
tanks, frt. alld	lb.	.144§- —
95-98%, dms., c.l., frt. alld.	lb.	.160§- —
l.c.l., frt. alld	lb.	.165§- —
tanks, frt. alld	lb.	.150§- —
99%, dms., c.l., frt. alld.	lb.	.162§- —
l.c.l., frt. alld	lb.	.167§- —
tanks, frt. alld	lb.	.152§- —
N.F., dms	lb.	.14½- .15½
synthetic, 85-90%, dms., c.l., frt. alld.	lb.	.09½- —
l.c.l., frt. alld	lb.	.10 - —
tanks, frt. alld	lb.	.06½- —
95-98%, dms., c.l., frt. alld.	lb.	.09¾- —
l.c.l., frt. alld	lb.	.10¾- —
tanks, frt. alld	lb.	.08½- —
Acetoacetate, dms., c.l., works.	lb.	.87½- —
l.c.l., frt. alld	lb.	.36 - —
Benzoate, bots	lb.	.50 - .53
B-ethoxy propionate, dms., works.	lb.	.70 - —
Bromide, tech., dms	lb.	.50 - .55
Carbamate, dms., divd. E	lb.	.58 - —
Chloride, tech., dms	lb.	.18 - .20
USP, bbls., cyl	lb.	.20 - .23
Cinnamate, cns.	lb.	2.65 - 3.60
Formate, dms., Agnue, Calif.	lb.	.26 - .32
Iodide, bots	lb.	3.50 - 3.60
Lactate, dms., works	lb.	.33½- .39½
Myristate, dms., works	lb.	.55 - —
Oenanthate, dms	lb.	1.10 - 1.15
Oleate, dms., l.c.l., works	lb.	.47 - —
Oxalate, dms., frt. alld	lb.	.33 - —
Silicate, dist. (see Tetraethyl orthosil'cate).		
40% available SiO_2, dms., works	lb.	.50 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works	lb.	.50 - —
smaller lots, works	lb.	.52 - .60
Ethyldiethanolamine, dms., l.c.l., works	lb.	.80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.0642- —
West of Rockies	lb.	.0691- —
l.c.l., works, frt. alld. E. of Rockies	lb.	.0691- —
West of Rockies	lb.	.0941- —
tanks, frt. alld. E. of Rockies,	lb.	.0743- —
West of Rockies	lb.	.0792- —
Trichloride (see Trichlorethane).		
Ethyleneglycol, dms., c.l., frt. alld. in E	lb.	.10 - —
l.c.l., same basis	lb.	.11 - —
tanks, same basis	lb.	.09 - —
Monobutylether, dms., c.l., wks.	lb.	.17½- —
l.c.l., works	lb.	.18½- —
tanks, works	lb.	.16½- —
Monoethylether, dms., c.l., works	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works	lb.	.14½- —
Monoethylether acetate, dms., c.l., works	lb.	.13½- —
l.c.l., works	lb.	.14½- —
tanks, works	lb.	.12½- —
Monomethylether, dms., c.l., works	lb.	.16½- —
l.c.l., works	lb.	.17½- —
tanks, works	lb.	.15½- —
Ethylethanolamine, dms., c.l., wks.	lb.	.87 - —
l.c.l., works	lb.	.90 - —
Ethylmonoethanolamine, l.c.l., dms., works	lb.	.80 - —
Ethylmorphine, hydrochloride, bots	oz.	10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more	lb.	5.25 - —
smaller lots	lb.	5.30 - 5.40
Eucalyptol, cns., dms	lb.	2.85 - 3.25
Eucalyptus leaves, bls	lb.	.14 - .15
Eugenol, pure, USP XII	lb.	2.60 - 3.25
Euphorbia, bls	lb.	.20 - .22

F

Feldspar, enamel, 100 mesh	ton.	17.00 -20.50
bulk, c.l.	ton.	14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons	ton.	12.75 -16.25
bulk, c.l.	ton.	9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons	ton.	20.00 22.00
bulk, c.l., works	ton.	17.00 19.00

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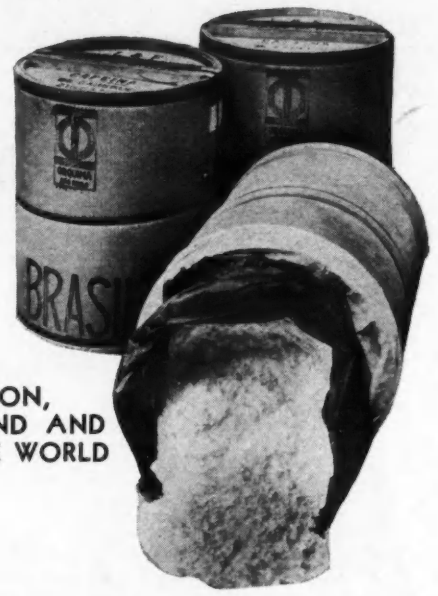

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SÃO PAULO — BRASIL

METALLO-CHEMICAL CORPORATION

EXCLUSIVE SALES AGENTS FOR THE U. S. A.

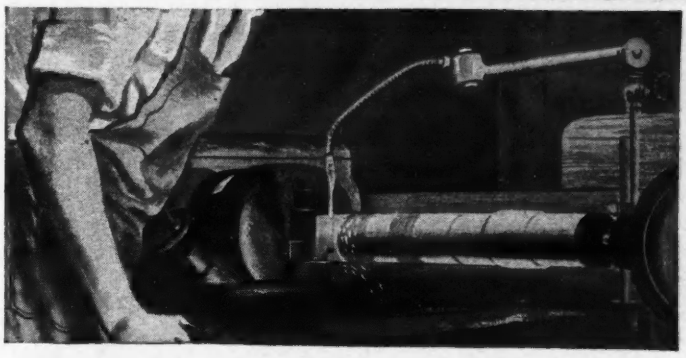
117 LIBERTY STREET NEW YORK 6, N. Y.

Fennel seed, Argentine, bgs., futures	lb.	.15½ - .16
Indian, bgs., afloat	lb.	.15 - .15½
Fenugreek, domestic, futures, bgs., source	lb.	.09 - .09½
Indian, bgs.	lb.	.09 - .09½
Morocco, bgs.	lb.	.09½ - .10
Ferric sulphate (see Iron sulphate, ferric).		
Film scrap, colored, cs., works	lb.	.13½ - .15
water-white, cs., works	lb.	.14½ - .17
Fir balsam, Canada, cns.	gal.	20.00 -20.25
Oregon, bbls.	gal.	2.65 - 2.70
Fishberries, bgs.	lb.	.24 - .26
Fishliver oils (see Oil, fishliver).		
Fishmeal,[1,7] grd., 60% protein, bgs., E. works	ton.	90.00 - —
65% protein, bgs., E. works	ton.	96.00 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast	ton.	80.10 - —
Flake white, bbls.	lb.	.09 - —
kegs	lb.	.11 - —
Fleaseed, black, bgs.	lb.	.55 - .60
Blonde, bgs.	lb.	.26 - .27
Fluorspar,[1] No. 1, ground, 95-98% CaF_2, bulk, c.l., mines, net	ton.	87.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines	ton.	33.00 - —
65%, c.l., bulk, mines	ton.	32.00 - —
60%, c.l., bulk, mines	ton.	31.00 - —
less than 60%, c.l., bulk, mines	ton.	30.00 - —
Formaldehyde,[1] bbls., c.l., works	lb.	.0520- —
l.c.l., works	lb.	.0570- —
dms., extra, c.l., works	lb.	.0460- —
l.c.l., works	lb.	.0510- —
tanks, works	lb.	.0320- —
tanktrucks, dlvd., N.Y.C.	lb.	.0345- —
Fringetree bark, bls.	lb.	.75 - .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines	ton.	8.50 -15.00
Tex. mines	ton.	12.50 - —
spent, bulk, Bayonne	ton.	3.00 - —
imp., bgs., c.l.	ton.	30.00 -40.00
Furfural, ref., dms., c.l., works	lb.	.13½ - —
cns., dms., l.c.l., works	lb.	.13½- .25½
tech., dms., c.l., works	lb.	.13 - —
l.c.l., cns., dms.	lb.	.13½- .20½
tanks, works	lb.	.09½- —
Fustic extract, cryst., No. 1, bbls., l.c.l.	lb.	.35 - —
No. 1A, bbls., l.c.l.	lb.	.34 - —
No. 2, bbls., l.c.l.	lb.	.33 - —
No. 3, bbls., l.c.l.	lb.	.31 - —
liquid, No. 0, bbls., l.c.l.	lb.	.19 - —
No. 1, bbls., l.c.l.	lb.	.17½ - —
No. 2, bbls., l.c.l.	lb.	.16½ - —
No. 3, bbls., l.c.l.	lb.	.14 - —
solid, No. 1, bxs., l.c.l.	lb.	.20½- —

G

G salt, bbls.	lb.	.45 - —
Galangal root, bls., futures	lb.	.30 - .31
Gambier, cube, Singapore, cs.	lb.	No stocks
Extract, bbls.	lb.	No stocks
Gammapicoline 95%, dms., c.l., works	lb.	1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas 73-75 octane, tanks	gal.	.06¾- —
Bayonne, 74 octane, tanks	gal.	.0780- .09
Gulf Coast, 73-75 octane, tanks	gal.	.06½- .07¼
Group 3, 73-75 octane, tanks	gal.	.06¾- .07
Pennsylvania, western, U. S. motor 74 octane, leaded, tanks	gal.	.07½- .08¼
natural, 26/70 octane, Group 3, tanks	gal.	.04 - —
Gelatin, silver label, cns., dlvd.	lb.	.90 - .97
export, cs.	lb.	1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.		
Gelsemium root, bls.	lb.	.35 - .40
Gentian root, bls.	lb.	.29 - .30
grd., bbls., bxs.	lb.	.35 - .36
powd., bbls., bxs.	lb.	.34 - .35
Geraniol, 92-96%, cns., dms.	lb.	No prices
Geranyl acetate, cns.	lb.	No prices
Ginger, African, No. 1, bls.	lb.	.15½- .16
Calicut, Romeo-type, bgs.	lb.	.16 - .16½
Cochin, bleached, bgs.	lb.	.16½- .17
unbleached, bgs.	lb.	.15½- .16
Jamaica, No. 1, bgs.	lb.	.23 - .23½
No. 2, bgs.	lb.	.16 - .16½
No. 3, bgs.	lb.	.15 - .15½
Rhattoon, bgs.	lb.	.14 - .14½
Glauberş salt, anhyd. (see Soda sulphate).		
cryst., bgs., bbls., works, 100 lbs.		1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest.	lb.	.16 - .23
30/36, bgs., c.l., same basis	lb.	.15½- .22½
33/32, bgs., c.l., same basis.	lb.	.17 - .24
32/106, bgs., c.l., same basis.	lb.	.18½- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.		
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd.	lb.	.14 - .21½
122-149, bgs., c.l., dlvd.	lb.	.15 - .22½
150-177, bgs., c.l., dlvd.	lb.	.16 - .23½
178-206, bgs., c.l., dlvd.	lb.	.17 - .24½
207-236, bgs., c.l., dlvd.	lb.	.18 - .25½
237-266, bgs., c.l., dlvd.	lb.	.19 - .26½
267-298, bgs., c.l., dlvd.	lb.	.20 - .27½
299-330, bgs., c.l., dlvd.	lb.	.21 - .28½
331-362, bgs., c.l., dlvd.	lb.	.22 - .29½
363-394, bgs., c.l., dlvd.	lb.	.23 - .30½
395-427, bgs., c.l., dlvd.	lb.	.24 - .31½
428-460, bgs., c.l., dlvd.	lb.	.25 - .32½
461-494, bgs., c.l., dlvd.	lb.	.26 - .33½
495-529, bgs., c.l., dlvd.	lb.	.27 - .34½
Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.		
Glycerin, crude, saponification, 88%, to refiners, tanks	lb.	.12¾- —
soaplye, 80%, tanks	lb.	.11½- —
dynamite, dms., c.l.	lb.	.17½- .18¼
l.c.l.	lb.	.18 - .18¾
tanks	lb.	.17¼- .18
high gravity, dms., c.l.	lb.	.17½- .18½
l.c.l.	lb.	.18 - .19¾
tanks	lb.	.17¼- .18
refined, B.P., 96%, dms., c.l.	lb.	.18¾- —
tanks	lb.	.18½- —
USP, 95%, dms., c.l.	lb.	.18¾- —
tanks	lb.	.18 - —
yellow, distilled, dms., c.l.	lb.	.17¾- —
tanks	lb.	.17¾- —
Glycine, USP (see Acid, aminoacetic).		
Glycol boriborate, dms.	lb.	.22 - —
Stearate, dms.	lb.	.26 - —
Gold chloride, acid-brown, bots.	oz.	20.75 -21.00
acid-yellow, bots.	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.	oz.	13.00 - —
USP IX, bots.	oz.	14.50 -14.75
Goldenseal root, bls.	lb.	8.75 - 9.00
powd., bxs.	lb.	9.25 - 9.50
Gold of pleasure seed, bgs.	lb.	No stocks
Grains of paradise, bgs.	lb.	.45 - .46

Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse.	lb.	.04½- —
70-75%, bgs., same basis.	lb.	.05 - —
75-80%, same basis	lb.	.05½- —
80-85%, bgs., same basis.	lb.	.06 - —
85-90%, bgs., same basis.	lb.	.07 - —
90% and up, same basis.	lb.	.08 - —
imported, amorphous, powd., dlvd.	lb.	.04 - .06
crystalline, 85-90%, powd., same basis.	lb.	.14 - .16
90-92%, powd., same basis.	lb.	.16 - .19
97% powd., same basis	lb.	.22 - .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis.	lb.	.21 - .22
No. 2, same basis.	lb.	.22 - .24
Grease, house,[1,7] loose	lb.	.08¼ Nom.
White, choice, loose	lb.	.08⅝ Nom.
Wool (see Adeps lanae and Degras).		
Green, brilliant,[1] thiofiavin toner, molybdic, kegs., works	lb.	3.25 - —
tungstic, kgs., works	lb.	3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.26 - —
6-10%, bbls., same basis.	lb.	.27 - —
Green, chrome, blue content 11-15%, bbls., same basis.	lb.	.28 - —
16-20%, bbls., same basis.	lb.	.28½- —
21-25%, bbls., same basis.	lb.	.29½- —
26-30%, bbls., same basis.	lb.	.29¾- —
31-35%, bbls., same basis.	lb.	.30¾- —
36-40%, bbls., same basis.	lb.	.32½- —
41-45%, bbls., same basis.	lb.	.34 - —
46-50%, bbls., same basis.	lb.	.35¾- —
50% and over, bbls., same basis.	lb.	.36¾- —
reduced color, 5%, bbls., same basis.	lb.	.07 - —
6-10%, bbls., same basis.	lb.	.07¾- —
11-13%, bbls., same basis.	lb.	.08¼- —
14-16%, bbls., same basis.	lb.	.09 - —
17-19%, bbls., same basis.	lb.	.09¼- —
20-21%, bbls., same basis.	lb.	.09½- —
22-23%, bbls., same basis.	lb.	.09¾- —
24-25%, bbls., same basis.	lb.	.10 - —
26-27%, bbls., same basis.	lb.	.10½- —
28-29%, bbls., same basis.	lb.	.11 - —
30-31%, bbls., same basis.	lb.	.12 - —
32-33%, bbls., same basis.	lb.	.13½- —
34-35%, bbls., same basis.	lb.	.14½- —
36-40%, bbls., same basis.	lb.	.17 - —
41-45%, bbls., same basis.	lb.	.19½- —
46-50%, bbls., same basis.	lb.	.19¾- —
51-55%, bbls., same basis.	lb.	.20½- —
56-60%, bbls., same basis.	lb.	.21 - —
61-65%, bbls., same basis.	lb.	.22 - —
Green, chrome, reduced color, 66-70%, bbls., same basis.	lb.	.23½- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 3c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.		
Chrome oxide, pure, dms., works	lb.	.24 - —
Malachite, thiofiavin toner, molybdic, bbls., works	lb.	3.00 - —
tungstic, bbls., works	lb.	3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide), bbls., works	lb.	.85 - —
toner, bbls., works	lb.	4.00 - 5.00
Paris (see P).		
Tungstated, brilliant, kgs.	lb.	3.00 - 4.00
emerald, kgs.	lb.	2.00 - —
Verdigris (see V).		
Green dyes (see Dyes, coaltar).		
Grindelia robusta, bls.	lb.	.21 - .22
Guaiac, resin, cs.	lb.	.32 - .34
Wood, bls.	lb.	.35 - .36
Guaiacol, cryst., N.F., tins	lb.	1.60 - 1.65
Liquid, N.F., bots., cbys.	lb.	1.60 - 1.84
Carbonate, dms.	lb.	2.40 - 2.45
Guarana, powd., cs.	lb.	2.00 - 2.10
Gum accroides (see Gum, yacca).		
Aloe (see A).		
Ammoniac, tears, cs.	lb.	.90 - .95
Arabic, amber, sorts, bgs.	lb.	.14¼- .14¾
white, sorts, 1, bgs.	lb.	.38 - .39
Asphaltum (see A).		
Asafetida (see A).		



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Gum, benzoin, Sumatra, cs....lb. 1.00 - 1.70
Camphor (see C).

Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under the new import regulations).

East India (former dollar-and-cents ceilings on all other copals revoked May 21. New ceiling prices are to be figured on same basis as Congo).
Manila, No. 1, hard, bold, amber, light, bskts., c.l., whse..lb. .25 - —

Dammar (former dollar-and-cent ceiling on Batavia and Singapore revoked May 21. New ceiling prices are to be figured on same basis as copals).

Elemi (former dollar-and-cent ceilings on elemi revoked May 21. New ceiling prices to be figured on same basis as copals).

Ester,[7] gum-resin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —

wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1074

Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.00 - 2.05
powd., bbls.....lb. 2.25 - 2.30

Gum, ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri (former dollar-and-cent ceilings revoked May 21. New ceiling prices are to be based on prices to be figured on same basis as copals).
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 3.25 - 3.30
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, bgs.....lb. .90 - .95
Scammony, cs.....lb. 1.50 - 1.55
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 5.00 - 5.25
No. 2, cs.....lb. 3.65 - 3.90
No. 3, cs.....lb. 3.20 - 3.45

Yacca (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices to be figured on same basis as copals).

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —

Gypsum, plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —

Stucco, paper bgs., c.l., Acme, Texas, Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.25 - 2.30
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .61 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
Hematine, paste, No. 1, bbls., l.c.l..lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[8] 20% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .29 - .90
powd., bbls., bxs.....lb. .84 - .90
Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3-gal. .16 - —
l.c.l., Group 3.....gal. .29 - .55
Hexalin (see cyclohexanol).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .26 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 8.00 - 9.00
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .12½- .13
Hydrangea root, bls.....lb. .22 - .25
Hydrastine, alkaloid, bots....oz.20.00 -22.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fb. cas., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .15¾
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, ens.....lb. No prices
dms., extra, ret'able, dlvd...lb. No prices
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots.....oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l....lb. .30 - —
Hyssop, bgs.....lb. .60 - .61
leaves, bgs.....lb. .69 - .70

I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16¾- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.00 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs.....lb. 1.28¾- —
resubl., 5-lb. bots., jars.....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or fib. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 6.00 - 9.50
Methyl, bot.....lb. 6.25 -12.00
Ipecac root, bgs.....lb. 5.50 - 5.75
powd., bgs.....lb. 5.75 - 6.00
Irish moss, bleached, prime...lb. .25 - .30
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
crvst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb .07 - .08¼
solut, 42 Be, cbys., works, frt alld. or equald..lb. .05½- .06
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls.....lb. 3.40 - 3.52
Hypophosphite, bbls., dms..lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.22
Naphthenate, 6% Fe, 50-gal. dms..lb. .21 - —
Nitrate, red, tech., dms.....lb. .03¼- .04
Oxalate, gran., dms.....lb. .53 - .55
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .63
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .17¼- —
Sulphate (ferric), anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
partially hydrated bgs., c.l., works..ton.26.50 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms..lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scale, dms.....lb. .49 - .52
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-soda oxalate, bbls., dms.lb. .23½- .26½
Isobornyl acetate, cns., works.lb. .89 - .95
Isobornyl thiocyanoacetate, dms., c.l., works..gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.35 - —
Isobutyl acetate, cns.....lb. 1.10 - —
Propionate, cns.....lb. No prices
Isoeugenol, cns., works.....lb. 3.75 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).

Put that "plus value" in your products by using ROWAG AA...the Lanolin that puts QUALITY into your creams and ointments.

ROWAG AA is free from impurities and has a consistently high cholesterol content (15% to 16%). It is an exceptionally effective skin softening agent and emolient and has clear color and clean odor. As a powerful emulsifier and emulsion stabilizer ROWAG AA is unsurpassed.

Write for full details and learn why ROWAG AA Lanolin is the preferred Lanolin of many of America's leading cosmetic manufacturers.

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LANOLIN · LANOLIN ALCOHOLS · ALCOLAN · CETAL · BEESWAX

110 EAST 42nd STREET · NEW YORK 17, N. Y.

Cable Address: "ROWAG" · Plant: MAMARONECK, N. Y.

Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.	lb.	.10½- —
l.c.l. E. of Rockies, same basis	lb.	.11 - —
tanks, E. of Rockies, same basis	lb.	.09½- —
Alcohol (see Alcohol, Isopropyl).		
Ether, dms., c.l., divd.	lb.	.06 - —
l.c.l.	lb.	.06½- —
tanks, divd.	lb.	.04½- —
Isopropylamine, dms., works	lb.	.26 - —

J

Jaborandi leaves, bls.	lb.	.30 - .31
Jalap root, NF, bls.	lb.	.37 - .52
powd., bbls., bxs.	lb.	.43 - .58
Resin, lump, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, bgs.	lb.	.22 - .25
Juniper tar, USP, dms.	lb.	.70 - 1.00

K

Kamala, powd., cns.	lb.	.46 - .48
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.28 - .30
Kerosene, at refinery: Ark., 42-44 w.w., tanks	gal.	.05 - —
Bayonne, 41-43, w.w., tanks	gal.	.061 - —
California, 40-43 w.w., tanks	gal.	.07 - —
Gulf ports, 41-43 w.w., tanks	gal.	.04⅝- .05
Okla.-Tex., 41-43 w.w., tanks	gal.	.04875- —
Penn., 45 w.w., tanks	gal.	.0655- .0705
47 w.w., tanks	gal.	.0706- —
Kola nuts, bgs.	lb.	.10 - .11
Kyanite, imp., low iron content, 10-mesh, whse.	ton.	85.00 -95.00
calcined, grain, 10-mesh, whse.	ton.	95.00 -105.00

L

Ladyslipper root, bls.	lb.	1.35 - 1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] ref., tierces, c.l.	lb.	.2048- —
prime steam, tierces, c.l.	lb.	.1973- —
Larkspur seed, bgs.	lb.	.80 - .82
Laurel berries, bls.	lb.	.25 - .28
Leaves, Cyprus, bls.	lb.	.16½- .19
Greek, bls.	lb.	.19½- .20
Portuguese, futures, bls.	lb.	.15½- .16
good, bls.	lb.	.16 - .16½
Turkish, bls., futures	lb.	.16½- .17
Lavender flowers, medium, bls.	lb.	.60 - .65
ordinary, bls.	lb.	.35 - .43
select, bls.	lb.	.65 - .70
Lead, acetate,[1] white, broken, bbls.	lb.	.12½- —
cryst., bbls.	lb.	.12½- —
gran., powd., bbls.	lb.	.13½- —
Arsenate,[1] basic powder, 3-lb. bgs. or larger, c.l.	lb.	.14 - —
l.c.l.	lb.	.14½- —
1-lb. ctns., c.l.	lb.	.24 - —
l.c.l.	lb.	.24½- —
standard, paste, cns., c.l.	lb.	.06⅝- —
l.c.l.	lb.	.07 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest.		
Blue, basic sulphate, bbls., c.l., 20-ton lots, divd. E.	lb.	.08½- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08⅝- —
l.c.l., divd. E.	lb.	.08⅝- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.09 - —
Carbonate (see Lead, white).		
Chloride, fib. dms.	lb.	.49 - —
Iodide, NF V, bots.	lb.	2.80 - —
jars	lb.	2.60 - —
Linoleate, pale, precip., bbls.	lb.	.23½- —
Metal,[1,8] (see Protective Coatings Materials market).		
Metallic paste, dms., works.	lb.	No stocks
Naphthenate, 24%-30%, Pb.	lb.	.16½- .20
Nitrate, bbls.	lb.	.12½- —
Oleate, bbls.	lb.	.17⅜- —
Peroxide, powd., tech., bbls.	lb.	.23 - .28
Red, 95% Pb_3O_4, or less bbls., c.l. (20 tons), divd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts., in Ore. and Wash.	lb.	.11 - —
other points	lb.	.10¾- —
l.c.l., 5 tons, divd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.12 - —
Colo., Mont., N. Mex., Wyo.	lb.	.11⅝- —
other points	lb.	.11¼- —
smaller lots, Ala., etc.	lb.	.12 - —
Ariz., etc.	lb.	.12¼- —
Colo., etc.	lb.	.12⅜- —
other points	lb.	.11⅜- —
in oil, kgs.	lb.	.15¾- —
97% Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore.	lb.	.11¼- —
other points	lb.	.11 - —
l.c.l., 5 tons, divd. Ala., etc.	lb.	.11⅝- —
Ariz., etc.	lb.	.12¼- —
Colo., etc.	lb.	.12 - —
other points	lb.	.11½- —
smaller lots, divd. Ala.	lb.	.12¼- —
Ariz., etc.	lb.	.12⅜- —
Colo., etc.	lb.	.12½- —
other points	lb.	.12¼- —
93% Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc.	lb.	.11¼- —
other points	lb.	.11¼- —
l.c.l., 5 tons, divd. Ala., etc.	lb.	.12 - —
Ariz., etc.	lb.	.12½- —
Colo., etc.	lb.	.12¼- —
other points	lb.	.11⅝- —
smaller lots, divd. Ala., etc.	lb.	.12½- —
Ariz., etc.	lb.	.13 - —
Colo., etc.	lb.	.12¾- —
other points	lb.	.12¼- —
Resinate, precip., 23.8% Pb dms.	lb.	.20 - —
Silicate, bgs.	lb.	.0730- .0780
Soyate, 20.15% Pb., dms.	lb.	.22¼- —
Stearate, bbls.	lb.	.34½- .36½
Lead, sulphate (see Lead, blue; Lead, white, basic sulphate).		
Tallate, 10% Pb., dms.	lb.	.08½- —
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E. frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11½- —
smaller lots, E. frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11⅝- —
White, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.10 - —
divd. other points	lb.	.09¾- —
l.c.l., divd. Ariz., etc.	lb.	.10¼- —
other points	lb.	.10 - —
basic sulphate, bbls., c.l., divd. Ariz., etc.	lb.	.09 - —
other points	lb.	.08¾- —
l.c.l., divd. Ariz., etc.	lb.	.09¼- —
other points	lb.	.09 - —
in oil, consumers, kgs.	lb.	.15 - —
painters, kgs.	lb.	.14 - —
Lecithin, edible, dms., c.l.	lb.	.25½- —
l.c.l.	lb.	.26½- .45
in cocoa butter, dms., c.l.	lb.	.39½- —
l.c.l.	lb.	.40¾- .50
tech., dms., c.l.	lb.	.25¼- —
l.c.l.	lb.	.26½- .45
vegetable, pure, bots., 100 lbs.	lb.	2.75 - —
Lemon peel, bls.	lb.	.35 - .40
Licorice extract, mass, cns.	lb.	.40 - .42
powd., bbls.	lb.	.60 - .62
Root, Indian, bls.	lb.	.12 - .14
powd., bbls.	lb.	.18 - .20
Russian, bls.	lb.	.12 - .13
Spanish, bls.	lb.	.12 - .13
Turkish, bls.	lb.	.12 - .13
Lignin extract, tanning grade, bgs., c.l., works	lb.	.04 - —
Lime, agricultural, works	ton.	9.00 - 9.50
Chemical (quicklime), lump, pebble, Adams, Mass.	ton.	9.00 - —
Annville, Pa.	ton.	8.50 - —
Bellefonte, Pa.	ton.	8.50 - —
Berkeley, W. Va.	ton.	8.50 - —
Buffalo, N. Y.	ton.	10.25 - —
Carey, Ohio	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	9.00 - —
Crab Orchard, Tenn.	ton.	7.90 - —
Eagle Mountain, Va.	ton.	8.50 - —
Farnams, Mass.	ton.	9.00 - —
Gibsonburg, Ohio	ton.	7.50 - —
Hannibal, Mo.	ton.	7.50 - —
Keystone, Ala.	ton.	7.90 - —
Knoxville, Tenn.	ton.	7.90 - —
Limedale, Ark.	ton.	8.00 - —
Longview, Ala.	ton.	7.90 - —
Manistique, Mich.	ton.	8.00 - —
Marblehead, Ohio	ton.	8.50 - —
Martinsburg, W. Va.	ton.	8.00 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	7.50 - —
Newala, Ala.	ton.	7.90 - —
Ripplemead, Va.	ton.	8.50 - —
Riverton, Va.	ton.	8.50 - —
Rockland, Maine	ton.	8.00 - —
Scioto, Ohio	ton.	8.50 - —
Sherwood, Texas	ton.	7.90 - —
Sherwood, Wisc.	ton.	8.55 - —
Springfield, Mo.	ton.	8.00 - —
Woodville, Ohio	ton.	8.50 - —
York, Pa.	ton.	8.50 - —
Hydrated, Adams, Mass.	ton.	10.00 - —
Annville, Pa.	ton.	10.00 - —
Bellefonte, Pa.	ton.	10.00 - —
Berkeley, W. Va.	ton.	10.00 - —
Buffalo, N. Y.	ton.	10.50 - —
Carey, Ohio	ton.	8.50 - —
Cedar Hollow, Pa.	ton.	10.00 - —
Crab Orchard, Tenn.	ton.	10.65 - —
Eagle Mountain, Va.	ton.	10.00 - —
Farnams, Mass.	ton.	10.00 - —
Gibsonburg, Ohio	ton.	9.50 - —
Hannibal, Mo.	ton.	9.50 - —
Keystone, Ala.	ton.	11.65 - —
Knoxville, Tenn.	ton.	10.65 - —
Lime, hydrated, LeRoy, Minn.	ton.	10.00 - —
Limedale, Ark.	ton.	10.00 - —
Longview, Ala.	ton.	11.65 - —
Manistique, Mich.	ton.	9.50 - —
Marblehead, Ohio	ton.	10.50 - —
Martinsburg, W. Va.	ton.	10.00 - —
Mitchell, Ind.	ton.	10.00 - —
Newala, Ala.	ton.	11.65 - —
Petoskey, Mich.	ton.	10.00 - —
Port Island, Mich.	ton.	9.00 - —
Rapid City, S. Dak.	ton.	12.00 - —
Ripplemead, Va.	ton.	10.00 - —
Rockland, Maine	ton.	9.00 - —
Scioto, Ohio	ton.	8.00 - —
Sherwood, Tenn.	ton.	11.65 - —
Sherwood, Wisc.	ton.	10.00 - —
Springfield, Mo.	ton.	9.00 - —
Woodville, Ohio	ton.	8.50 - —
York, Pa.	ton.	10.00 - —
Lime salts (see Calcium).		
Lime-ammonia-nitrogen[6] 20.5% N. (see Ammonia nitrate-lime-stone).		
Limestone, ground, bulk, works.	ton.	1.40 - —
Linalool	lb.	7.60 - —
Linalyl acetate, ex bois de rose, bots.	lb.	8.50 - —
ex lignaloe wood, bots.	lb.	7.75 - 8.40
ex petitgrain, bots.	lb.	3.90 - 4.10
Linden flowers with leaves, bls.	lb.	.55 - .60
without leaves, bls.	lb.	.60 - .65

White Lead Adds MORE of the Properties...

...that make Good House Paint

No question about it... you've got to put into a thing what you expect to get out of it.

* * *

In making good house paint, *all* of the properties listed above are important.

* * *

That's why paint manufacturers include Basic Carbonate White Lead in their formulations. Because this *one* pigment not only *has* all these properties but imparts them, in well balanced proportion, to mixed paints.

* * *

Many of these paint-making benefits are directly traceable to White Lead's unique ability to form lead soaps—fully described under the photomicrographic enlargement at the right. If your house paint contains soap-making white lead, it's a better paint.

* * *

Consult National Lead's technical staff for the whole picture of how Dutch Boy Basic Carbonate White Leads fit into your formulations. Take advantage of our broad experience, which includes 28 years of continuous outdoor paint testing at our Sayville, L. I. test station.

A Big Plus—LEAD SOAPS

White Lead combines with oil to produce a distinctive type of "soap" formation, with a fibrous structure consisting of multiple projections radiating from a central core.

This photomicrograph shows how the soaps spread out and mechanically reinforce the paint film, giving it greater toughness and weather resistance.

It is also characteristic of "lead soaps" that they allow movement all along their intermeshing projections. This action helps improve both elasticity and adhesion.

The tendency of white lead to react with linseed oil also explains why this pigment wets easily and thus mixes and grinds well.

DUTCH BOY *Basic Carbonate* WHITE LEADS

NATIONAL LEAD COMPANY: *New York, Buffalo, Chicago, Cincinnati, Cleveland, St. Louis, San Francisco, Boston (National Boston Lead Co.); Pittsburgh (National Lead & Oil Co. of Penna.); Philadelphia (John T. Lewis & Bros. Co.)*

Linseed meal,[7] 34%, bulk, c.l., ton.60.00 - —
32%, same basis.....ton.57.00 - —
Litharge, com'l, powd., bbls., c.l. dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .10 - —
other points .....lb. .09¾- —
Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .10½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .11 - —
Colo., Mont., N. Mex., Wyo..lb. .10¾- —
other points .....lb. .10¾- —
smaller lots, dlvd. Ala., etc..lb. .11 - —
Ariz., etc. .....lb. .11½- —
Colo., etc. .....lb. .11¼- —
other points .....lb. .10¾- —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald.lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, bbls., kgs...lb. 1.25 - 1.30
Chloride, jars .....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls. .....lb. 2.45 - 2.60
Hydroxide, jars .....lb. 1.25 - 1.46
Lithium iodide, bots.....lb. 5.20 - —
jars .....lb. 5.05 - —
Stearate, fib. dms., works....lb. .53½- —
Lithopone,[7] ordinary, bgs., c.l. (20tons)..lb. .0440- —
l.c.l. .....lb. .0465- —
bbls., c.l. .....lb. .0465- —
l.c.l. .....lb. .0490- —
Lithopone, titanated (high-strength), bgs..lb. .05¾- —
smaller lots .....lb. .06 - —
bbls., c.l. .....lb. .06 - —
smaller lots .....lb. .06¼- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst. ½c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .80 - .85
Lobeline sulphate, bots., wks.oz. 25.50 -36.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l. .....lb. .15 - —
solid, No. 1, bxs., l.c.l.....lb. .28 - —
No 2, bxs., l.c.l.....lb. .26 - —
bbls., c.l., Zone 1.....lb. .00¾- —
No. 4, bxs., l.c.l.....lb. .23 - —
No. 3, bgs., l.c.l.....lb. .23¼- —
No 5, boxs., l.c.l.....lb. .21½- —
No. 6, boxs., l.c.l.....lb. .20½- .44½
Lovage root, American (ligusticum actae folium), bbls..lb. 1.20 - 1.30
Lupulin, NF, tin.....lb. 12.75 -13.00
Lycopodium, USP, cs.....lb. 2.50 - 3.00

M

Mace,[7] Amboyna, cs.....lb. .80 Nom.
Banda, cs.....lb. 1.10 Nom.
West Indian, bgs.....lb. 1.10 - 1.20
Broken, bgs. .....lb. 1.00 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1] dms.....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Magnesia carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07¼- —
bbls., c.l., Zone 1.....lb. .07½- —
l.c.l., Zone 1.....lb. .08½- —
kgs., c.l., Zone 1.....lb. .08¾- —
l.c.l., Zone 1.....lb. .09¾- —
USP, bgs., c.l., Zone 1.....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08½- —
l.c.l., Zone 1.....lb. .09½- —
kgs., c.l., Zone 1.....lb. .09¾- —
l.c.l., Zone 1.....lb. .10¾- —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.
Chloride, anhyd., bbls., dlvd.lb. .12¾- —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, ctns., 2,000 lbs. to c.l. lb. .34½- —
less than ton.....lb. .35½- —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton.58.75 - —
dead-burnt,[1] bulk, c.l., Chewelah, Wash..ton.22.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.55 - 1.60
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .83 - .84
Manganese acetate, dms.....lb. .25¼- —
Arsenate,[9] bgs. .....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks.lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
85-90%, bbls., c.l., works... ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works. ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works.ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls..lb. .22 - —
Naphthenate, 6% Mn, dms...lb. .15¾- .16
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .17¼- —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .06
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton.62.00 - —
l.c.l., same basis, or Balto. or Cincinnati... ton.65.00 - —
industrial grade, 80% bgs..lb. .05 - .05¾
75%, bgs., c.l., dlvd. East..ton.60.00 - —
Tallate, 4% Mn, dms.....lb. .09 - —
Mangrove bark,[1,6] E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton.58.00 - —
Manna, flake, large, cs.....lb. 1.50 - 1.65
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .35 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast.lb. .35 - .36
Chilean, bls. .....lb. .08¾- .09
Matico leaves, bls.....lb. .22 - .30
Menadione, USP, bots., works, gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 8.25 - 8.35
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns. .....lb. 6.10 - 6.20
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails .....lb. 1.30 - —
50%, pails .....lb. 1.88 - 1.90
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms. .....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms.....lb. 4.30 - —
yellow, NF, fib. dms.....lb. 4.40 - —
Oxide, red, NF (see Red precipitate).
yellow, USP, fib dms.....lb. 2.94 - 2.96
tech. (see Yellow mercury oxide).
Mesityl oxide, dms., c.l., dlvd.lb. .11½- —
l.c.l., dlvd. .....lb. .12 - —
tanks, dlvd. .....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks
Gold X+, deep, 23, 3⅛x3⅛ in., pkg. No stocks
Silver, 3⅛x3⅛ in.....pkg. No stocks
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs. ..lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Prices on natural methanol W. of Miss. R., 3c. higher.
synth. dms., c.l., Zone 1, frt. alld..gal. .31 - —
2 frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4 frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld. .....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .15 - —
10 dms.....lb. .16¼- —
1-9 dms.....lb. .17¼- —
hydrogenated, non-ret dms., c.l., dlvd..lb. .13¼- .15
10 dms., dlvd.....lb. .16¼- —
1-9 dms, dlvd.....lb. .17¼- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss. .....lb. .11½- .12
l.c.l., E. of Miss....lb. .11 - .14
W. of Miss. .....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss. .....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss. .....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 2c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —

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This 16 page illustrated booklet, just off the press, summarizes the important facts about Michigan Chemical Corporation's "Master Brand" Methyl Bromide and explains how and when to use this fumigant most efficiently. We have a free copy for you. Write for it today.

Methyl Bromide is one of the many quality products of the Michigan Chemical Corp. whose modern manufacturing facilities, laboratories, and brine wells are located in the heart of one of the nation's richest chemical regions. We also produce Allyl Bromide, Bromine, Bromoform, Ethyl Bromide, Magnesium Oxide, Sodium Chloride, and many other chemicals of unsurpassed purity and dependability for the pharmaceutical, industrial, and insecticidal fields. We pioneered in the development of DDT for the U. S. Government and today Michigan Chemical Corporation's PESTMASTER DDT products are proving their superiority. Ask for complete particulars when writing for your free Methyl Bromide booklet.

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Baker

Carries Measured Purity into Organic Chemistry

The name Baker has been symbolic of measured chemical purity for nearly half a century. This rich heritage of chemical exactness and chemical control is now carried into another field—*organic chemicals.*

DDT

One of the first organic chemicals—purity by the ton—manufactured by Baker, was DDT (Dichloro-diphenyl-trichloroethane). Originally this chemical was made for the Government for war use. Today it is fighting disease on the home front, killing insects and agricultural pests, saving millions of dollars.

2, 4-D

Another group of organic chemicals manufactured by Baker is 2,4-D (Dichlorophenoxyacetic) Acid and its compounds. All are used in the formulation of weed killers. Each has its advantages and each has its place in terms of economy and application.

CTAB

A more recent organic chemical made by Baker, is CTAB (Cetyl Trimethyl Ammonium Bromide). This quarternary ammonium salt will find a ready application as a bactericidal agent, and also as a special detergent.

Several more Baker organic chemicals are now in the pilot plant stage of development. These soon will be available on a commercial basis.

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This is not a mere Baker slogan. It is the result of Baker's "know how" in controlling chemical purity. This "know how" is also available to you now in organic chemistry.

If you have plans under way for manufacturing products involving the use of organic chemicals, your inquiries are invited. Address *Organic Chemical Division*, J. T. Baker Chemical Co., Phillipsburg, N. J.

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Methyl acetone, nat., Group B, dms., l.c.l., Zone 1, same basis..gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. lb. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4 same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo. N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .42 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .46½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - 1.85
bots., cns. .....lb. 2.20 - 2.60
Benzoate, cns.....lb. .45 - .55
Bromide, cns.....lb. .63 - .65
cyls. .....lb. .55 - .70
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders. lb. .32 - —
service men and consumers..lb. .36 - —
50 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, 500-lb..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40
60-490 lb. cyl.....lb. .40 - —

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 120-lb. cylinders; 20-lb. cylinders 10c. per pound higher.

Alcohol (see Methanol).
Cinnamate, cns.....lb. 2.25 - 3.50
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .36 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63

Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms. works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs., works. lb. 2.00 - 2.15
cns., works.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylenedianilin, lbs., ton lots, min. frt. alld..lb. .36 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd.lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.75 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 to 80 mesh, works. ton.50.00 -60.00
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works frt. alld. E..lb. .05 - —
l.c.l., ex whse., or frt. alld. E..lb. .05½- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05¼- —

Mica, wet-grd., extra fine, bgs., l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¾- —
l.c.l., ex whse. or frt. alld. E..lb. .06¼- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.
Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .15¼- .17¼
spray, bulk c.l.....lb. .15¾- .17¼
whole, roller, bbls., c.l....lb. .40 - .41
spray, bbls., c.l.....lb. .41 - .42
Milk sugar, bbls., c.l., works..lb. .26 - —
l.c.l., works.....lb. .26¾- .27½
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works Area 1..gal. .18 - —
Area 2. .....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[1,5] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%...lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works..lb. .15 - —
Monomethylene, anhydrous, cyl., works, frt. alld. E. of Miss. 100% basis..lb. .32½- —
Monomethylene solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs .....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Hydrobromine, 5 ozs. .....oz. 8.95 - —
cns., 25 ozs. .....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works. lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.10
25 lbs. .....lb. 4.10 - 9.20
5 lbs. .....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs. .....lb. 4.25 - 9.35
5 lbs. .....lb. 4.40 - 9.70
xylol, cns. .....lb. 1.40 - 2.00
25 lbs. .....lb. 1.50 - 2.60
5 lbs. .....lb. 1.65 - 2.90
Muskroot, bls. .....lb. No prices
Mustard seed, Calif., Brown, bgs. lb. .15 - .15½
yellow, bgs. .....lb. .21 Nom.
Danish, yellow, bgs.....lb. .20 Nom.
Montana, brown, bgs., futures.. lb. .09 - .09½
oriental, bgs. .....lb. .11½- .12
futures, f.o.b. source....lb. .07½- .08
yellow, bgs. .....lb. No prices
futures .....lb. .14½- .15
Washington, yellow, bgs.....lb. .16½- .17
Myrobalans,[1] whole J1, U. S. ports, ex dock..ton.51.00 -52.00
J2, same basis.....ton.48.00 -49.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald..lb. .03 - .03½
bbls., c.l., same basis..lb. .0335- .0375
tanks, same basis.....lb. .0275- .0325
78°, bgs., c.l., same basis. lb. .0325- .0375
bbls., c.l., same basis...lb. .0325- .0375
tanks, same basis.....lb. .03 - .0375
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works.....lb. .09¼- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis..lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y...ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.13.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.95
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls. .....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotinamide, USP, dms., works, kilo. 9.50 - 9.80
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs. .....lb. 1.015 - —
Nikethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —

If it's LEMON flavored—

IT'S 4 TO 1 THE OIL IS EXCHANGE!

More than 80% of all the lemon oil used in the United States is Exchange Lemon Oil.

This overwhelming endorsement by the trade is your assurance that Exchange Lemon Oil delivers *flavor...clarity* and *uniformity* not found in any other Lemon Oil.

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis. lb. .27 - —
Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.
Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton. 2.60+.40-3.00+.40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots. .....lb. .24 - .26
Nitropropane 1, dms., works..lb. .25 - —
M, dms., works.....lb. .25 - —
Nutgalls,[5] bgs. .....lb. .50 - .52
Nutmegs,[7] West Indian, bgs., Sept.-Oct..lb. .80 - .81
Nux vomica, bls. .....lb. .09½- .10
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade dms., c.l., G.S..gal. .15½- —
l.c.l., G. S.....gal. .29 - —
10 gals., G. S.....gal. .55 - —
tanks, G. S.....gal. .13 - —
Octanol, (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.75 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns....lb. 1.10 - 1.45
Angelica root, bots.....lb.115.00 -275.00
Seed, bots.....lb.115.00 -265.00.
Anilin (see A).
Anise, USP, Chinese, dms....lb. 1.45 - 2.75
Russian, cns.....lb. 3.75 - —
Apricot kernel, cns.....lb. .60 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .12 - —
Bay, W. I., 50-55%, cns.....lb. 1.30 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 5.50
natural, Italian, cns.....lb. 4.50 - 6.50
Birch (see Oil, sweet, birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.15 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. 2.25 Nom.
redistilled, USP IX, cns...lb. 2.40 - 2.75
Calamus, cns.....lb.20.00 -30.00
Camphor, white, nat., cns...lb. 1.25 - —
synthetic, cns.....lb. .15 - .35
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb.10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 6.65 - 8.75
Cardamom, bots. .....lb.18.00 -25.00
Cassia, USP, cns.....lb. 4.00 - 6.50
Castor,[1] blown, ret. dms., c.l..lb. .21¾- —
l.c.l.....lb. .22½- —
cold pressed, USP, cns....lb. .22¼- .22½
dms., c.l.....lb. .20¼- —
l.c.l. .....lb. .21 - —
tanks .....lb. .1950- —
Dehydrated, bodied, dms., c.l. lb. .2679- —
l.c.l. .....lb. .2719- —
tanks .....lb. .2639- —
unbodied, dms., c.l.....lb. .2579- —
l.c.l. .....lb. .2619- —
tanks .....lb. .2539- —
No. 3, tech., dms., c.l....lb. .20 - —
l.c.l. .....lb. .20¾- —
tanks .....lb. .1920- —
sulphonated, 50% (48% fat), dms., c.l..lb. .11 Nom.
l.c.l. .....lb. .11½ Nom.
75% (62-64% fat), dms., c.l..lb. .14 Nom.
l.c.l. .....lb. .14½ Nom.
Cedarleaf,[1] USP, cns., dms..lb. 2.55 - 2.70
Cedarwood, USP, cns.....lb. .89 - 1.30
dms.....lb. .86 - 1.15
Celery, bots.....lb.16.50 -20.00
Chaulmoogra, USP, cns.....lb. .60 - .85
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.32.00 -41.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.85 - 2.75
Clove, USP, cns.....lb. 1.50 - 1.85
Coconut,[1,7] crude, Ceylon, bulk, c.i.f., N. Y..lb. .0885- —
Cochin type, bulk, c.i.f. N. Y..lb. .0935- —
Manila, bulk, c.i.f. N. Y..lb. .0641- —
ret. dms.....lb. .0891- .0980
edible, ex tax, tankcars....lb. .0985- —
Codliver, USP, bbls., dms..gal. 2.40 - 3.60
tanks .....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 3.25
Coriander, bots.....lb.18.00 -22.50
Corn,[1,7] crude, tanks, works..lb. .14½- —
deod., bichd., tanks, Chicago.. lb. .1626- —
foots, acid, 95%, tanks, divd. E..lb. .07¼- —
raw, 50%, tanks, divd. E.lb. .03½- —
Cottonseed,[1,7] crude, tanks, works..lb. .14¼-15.15
foots, acid 95%, tanks, divd. E..lb .07¾- —
raw, 50%, tanks, divd. E. lb. .03¾- —
salad, or winterized, tankcars lb. .1751- —
Creosote (see C).
Croton, NF, cns.....lb. 4.75 - 5.50
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude)
Cumin, bots.....lb. 8.50 -22.00
Cypress, bots .....lb.12.00 -16.00
Dagras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bots .....lb. 4.00 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 4.40
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.13 - 1.40
70-80%, cns.....lb. 1.05 - 1.40
Fennel, sweet, cns .....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver, dms., less than 40,000 A units per gram.... per million units. .30 - —
for each 1,000 additional A units up to 300,000 grams per million units. .001 - —
200,000 or more A units.... per million units. .40 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.16.00 -28.00
Bourbon, cns.....lb.16.25 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).

Oil, ginger, dist., bots.....lb.11.00 -14.00
Grapefruit, Florida, cns.....lb. 2.20 - 2.45
California, bots., cns.....lb. 2.00 - 2.15
Grease,[1] common, No. 1, bbls., c.l...lb. .14 - —
extra, No. 1, bbls., c.l....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 2.00 - 4.00
Hemlock, cns.....lb. 2.60 - 2.75
Herring,[1] crude, tanks, Pac. coast..lb. .080 - —
Juniper berry, dom., bots....lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .83 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 4.25 - 5.00
Lavender flower, French, 38%- 42% ester, cns..lb.10.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, cns.....lb.13.75 - —
Spike, Spanish, pure, cns...lb. 2.35 - 3.10
tech., cns. .....lb. 2.10 - 2.60
Lemon, USP, Calif., cns....lb. 3.25 - —
Messina,[1] cns.....lb. 3.25 - 3.65
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass, cns., dms.....lb. 3.80 - 4.45
Lignaloe seed, Mexican, cns.lb. No stocks
Wood, Mexican, cns.....lb. 4.00 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.25 - 7.20
West Indian, cns.....lb. 6.00 - 7.50
expressed, West Indian, cns.lb.13.50 -15.00
Linseed,[1,7] raw, dms., c.l....lb. .1880- —
l.c.l. .....lb. .1930- .1990
tanks .....lb. .1800- —
tankwagon .....lb. .1800- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .1790- —
dms., l.c.l.....lb. .1870- .1890
tanks .....lb. .1710- —

Oil, lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks. gal. .23 - .25
neutral, 300 vis., No. 3, col., 0.10 pour, tanks..gal. .18¼- .19
200-300 vis., No. 3, col., 15-25 pour, tanks..gal. .16 - .18
145-155 vis., No. 3, color, 10-25 pour, tanks..gal. .28 - .31
cylinder oils, 600-630 flash, tanks..gal. .17 - .19
600-650 steam, refd., tanks..gal. .15½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks. gal. .26 - .36
200 vis., 25 pour, tanks. gal. .28 - .33
Mace, dist., cns., dms.....lb. 6.75 - —
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns.....lb. 6.40 -10.00
Menhaden,[1,7] crude, tanks, Balto. lb. .080 - —
refined, alkali, dms., c.l....lb. .1400 Nom.
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1220- —
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls.....gal. 1.80 - —
20°, bbls. .....gal. 1.75 - —
30°, bbls. .....gal. 1.55 - —
pure, bbls .....lb. .22 - —
Neroli, French, bots.....lb.150.00 -300.00
Haitian, bots. .....lb.170.00 -200.00
Nutmeg, cns .....lb. 6.75 - —
Ocotea cymbarum, dms.....lb. .85 - .95
Oiticica,[1] liquid, dms., c.l....lb. .25½- —
l.c.l. .....lb. .26 - .27
Oil, oleo,(extra, tcs., Chicago.lb. .1304- —
prime, Chicago.....lb. .12¾- —
Olibanum, bots.....lb. 5.00 - 5.70
extra fine.....lb. 6.25 - —
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 35%-½% f.f.a., dms., extra, works..gal. 4.20 - 4.80
imported, dms. .....gal. 4.01½-5.11½
foots,[1] dom., dms., c.l.....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock. lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.75
expressed, USP, Brazilian, cns..lb. 1.45 - 2.00
Calif., cns. .....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.80
Messina, coppers.....lb. No stocks
West Indian, cns. .....lb. 2.35 - 3.75
sesquiterpeneless, bots.....lb.100.00 -114.00
Origanum, Spanish, cs.....lb. 2.85 - 3.10
Palm,[1,7] Niger, dms.....lb. .0865- —
Palmarosa, cns .....lb. 9.00 - 9.50
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0835 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis. tanks, G.S..gal. .05½- —
350° flash, 70-80 @ 100 vis., 6/10 pour, G.S..gal. .08 - —
80-85 vis., 0/10 pour bbls. extra, Ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .06¼- —
10/25 pour, same basis.gal. .06¼- —
Patchouli, imported, cns.....lb.70.00 -114.00

New *Aromatic* Chemicals Developed During the Past Year

The new odor successes in the perfume and cosmetic field will be based upon these:

★ ALDEHYDE FK

Basis for Lilacs to create richer, stronger Lilac Odor.
Add up to 10% Aldehyde FK.

★ JASMINOL

Similar in odor to Alpha Amyl Cinnamic Aldehyde but softer and finer.
Stable in soaps and creams. Basis for Jasmin Odors.

★ TUBEROL

Basis for Tuberose odors and perfumes for creams, lotions, etc.

★ CUIRUSAL

Powerful aldehyde useful in flora. and many fancy bouquets.
(Russian Leather)

★ RESEDALIA

A chemical surprisingly true to the odor of Reseda Mignonette.

★ ETHYLENE GLYCOL ACETAL OF PHENYL ACET ALDEHYDE

Softener and homogenizer for all types of Floral Odors.

★ VIOLETTONE

A Ketone basis with Patchouly note for Violet Odors.

These are a few of our recently developed products.

WRITE FOR COMPLETE LIST.

Cyclamal— An aldehyde replacing Hydroxy Citronellal. Five times stronger. Economical to use.

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GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, peanut,[1,7] bleached, undeod., tankcars..lb. .1797- —
crude, tanks, works.....lb. .14¾- .15¼
feots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd.. E.lb. .04 - —
hydrogenated, tankcars....lb. .1800- .1815
Pennyroyal, dom., dms., cns..lb. 3.25 - 3.60
import, cns. .....lb. 4.25 - 4.50
Peppermint, natural, dms...lb. 7.75 - 8.15
redist, USP, dms.....lb. 8.35 - 8.75
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms. lb. 4.25 - 4.75
Pimento, berry, dms.....lb. 6.85 - 8.00
Leaf, cns. .....lb. 3.25 - 3.65
Pine, destructively dist., ret. dms., l.c.l., Jacksonville..gal. .63 - —
New Orleans..... gal. .60 - —
steam dist., dms..... ....gal. .65 - —
Pineneedle, cns. .....lb. 3.35 - 3.65
Putty, petroleum, heavy, dms., gal. .18 - —
tankwagon .....gal. .13½- —
light, dms.....gal. .16½- —
tankwagon .....gal. .12½- —
Rapeseed,[1] bulk.....lb. .13 - —
Red,[1] single dist., ret. dms., c.l., dlvd. E. of Rockies..lb. .13½- —
W. of Rockies.....lb. .14½- —
Texas and Okla.....lb. .13½- —
tanks, dlvd., E. of Rockies.lb. .12½- —
W. of Rockies.....lb. .13½- —
Texas and Okla.....lb. .13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla. .....lb. .16¾- —
special, non-ret. dms., bbls., c.l., dlvd. E. of Rockies. lb. .16¾- —
W. of Rockies.....lb. .17¾- —
Texas and Okla.....lb. .17¼- —
Rose, natural, coppers.....oz.31.25 -40.00

Oil, rosemary, Spanish, tech., cns., dms..lb. 1.10 - 1.50
USP, cns., dms.....lb. 1.40 - 1.75
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 2.50 - —
Spanish, cns. .....lb. 2.35 - 2.50
Sandalwood, NF, Mysore, cns., case lots..lb.11.15 -17.50
Sardine, crude,[1,7] tanks, Pac. coast..lb. .1040- —
refined, alkali, dms., l.c.l..lb. .1550- —
kettle-bodied, dms., l.c.l..lb. .1650- —
light-pressed, dms., l.c.l..lb. .1450- —
tanks .....lb. .1370- —
Sassafras, artificial.....lb. .80 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms..lb. 1.90 - 2.30
Savin, cns.....lb.27.00 - —
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks.....lb. .1450- —
Shingle stain, bbls., c.l., works, gal. .2195- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. No prices
tanks .....lb. No prices
crude, tanks, Decatur....lb. .1350- —
winterized, tankcars, Decatur..lb. .1543- —
ret. dms. .....lb. No prices
refd., varnish, dms.....lb. No prices
tanks .....lb. No prices
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .06¼- —
Spearmint, dms. .....lb.12.25 -14.00
Sperm, bleached, 38°, dms..lb. .1445- —
natural, 45°, dms.....lb. .1810- .1811

Oil, spruce,[1] cns., dms.....lb. 2.60 - 2.75
Sunflower,[1] imported, refined, tanks..lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns....lb. 5.00 - 7.25
South, cns.....lb. 2.50 - 3.25
Tall,[1] crude, dms., c.l., works. ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .06 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow,[1] acidless, bbls., c.l., Chicago..lb. .09¾- —
tanks, Chicago.....lb. .09¼- —
Tansy, cns. .....lb.12.00 - —
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, red, NF, cns.....lb. 2.60 - 3.65
White, cns. .....lb. 2.85 - 3.75
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .40 - .41
tanks .....lb. .38¾- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .25 - .29
Vetiver, Bourbon, cns.....lb.37.50 -42.50
Haitian .....lb.32.50 -35.00
Whale,[1] ref., natural, dms..lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50-65 vis., dms., incl., c.l.gal. .40 - —
l.c.l. .....gal. .43 - .47
65-75 vis., dms., dms. incl., c.l..gal. .41 - —
l.c.l. .....gal. .44 - .48

Oil, white, mineral, USP, 80/90 vis., dms., dms. incl., c.l. gal. .43 - —
l.c.l. .....gal. .46 - .50
125/135 vis., dms., dms. incl., c.l..gal. .54½- —
l.c.l. .....gal. .57½- .61½
145/155 vis., dms., dms. incl., c.l..gal. .56¼- —
l.c.l. .....gal. .59½- —
175/185 vis., dms., dms. incl., c.l..gal. .59 - —
l.c.l. .....gal. .62 - .66
200/210 vis., dms., dms. incl., c.l..gal. .63 - —
l.c.l. .....gal. .66 - .70
335/345 vis., dms., dms. incl., c.l..gal. .71 - —
l.c.l. .....gal. .74 - .78
55, 70 and 85 vis., non-ret. dms., SanFrancisco.gal. .45 - —
smaller lots, same basis. gal. .47 - .50
100 vis., non-ret. dms., 65 dms., San Francisco..gal. .56½- —
smaller lots, same basis. gal. .57½- .61½
145 vis., non-ret. dms., 65 dms., San Francisco.gal. .64 - —
smaller lots, same basis gal. .66 - .69
180 vis., non-ret. dms., 65 dms., San Francisco..gal. .69½- —
smaller lots, same basis gal. .71½- .74½
340 vis., non-ret. dms., 65 dms., San Francisco.gal. .81 - —
smaller lots, same basis gal. .83 - .86
Wintergreen, natural, North, cns..lb. 5.50 -12.00
South, cns. .....lb. 3.65 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns. .....lb. 6.00 - 6.75
Wormwood, cns. .....lb.10.00 -12.25
Ylang-ylang, Bourbon, extra, bots..lb.18.00 -24.00
first, bots.....lb.14.00 -17.50
second, bots.....lb.10.50 -14.00
third, bots.....lb. 5.75 - 9.00
Oleostearin,[1,7] loose, Chicago..lb. .1061- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works. ton. 7.00 - —
spalls, paper bgs., c.l., works. ton. 5.00 - —
Opium, USP, cns.....lb.21.30 -21.55
gran. .....lb.22.70 -29.95
powd. .....lb.22.70 -29.95
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies. lb. .85 - .95
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .18¾- —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dinitroanilin, toner.....lb. 1.05 - —
Molybdate,[1] bbls.....lb. .82 - —
Orthonitroanilin toner,[1] bbls., kgs., works..lb. .80 - 1.05
Persian,[1] bbls. .....lb. .30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .14 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .14½- —
Mont., Wyo., Colo., N. Mex..lb. .14¾- —
other points.....lb. .13¾- —
smaller lots, Ala., etc....lb. .14½- —
Ariz., etc.....lb. .15 - —
Colo., Mont., N. M., Wyo..lb. .14¾- —
other points.....lb. .14¼- —
Orange flowers, cs.....lb. .46 - .48
Orange peel, bitter, Haitian, bls. lb. .13 - .15
Sweet, bls. .....lb. .13½- .14
Oregano, Italian, bgs.....lb. .27 - .27½
Mexican, curly leaf, bgs.....lb. .10 - .10½
flat leaf, bgs.....lb. .09¾- .10¼
Portuguese, bgs. .....lb. .24½- .25¼
Orris root, Florentine, bls.....lb. .40 - .41
Verona, bls. .....lb. .35 - .36
Portuguese, bls. .....lb. .35 - .36
Orthoamyiphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroanilin, dms. .....lb. .60 - —
Orthochlorophenol, dms. .....lb. .25 - .27
Orthocresol,[2] 30.4° C., min., M.P., dms., c.l., works..lb. .17½- .22
l.c.l., works .....lb. .18 - .18½
29° C. min., M.P., dms., c.l., works..lb. .16½- .17
l.c.l., works .....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthonitroanilin, dms. .....lb. .43 - .50
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitrodiphenyl, tech., grade A., dms., c.l., works.lb. .10 - —
l.c.l., works.....lb. .11 - —
grade B, dms., c.l., works.lb. .06 - —
l.c.l., works.....lb. .07 - —
Orthonitroparachlorophenol, cns.. lb. .75 - —
Orthonitrotoluene, dms. .....lb. .09 - —
Orthophenetidin, dms. .....lb. .82 - —
Orthotoluidin, dms. .....lb. .19 - —
Osage orange crystals, bbls....lb. .29 - —
extract, No. 1, bbls.....lb. .14 - —
Ouabaine, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
small lots, works.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 5.25 - 5.50
Papaverine, natural or synthetic, hydrochlorids, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
Sulphate, cns.....oz. 7.10 - 7.35
Paprika, Calif., sweet Callente, ground bgs..lb. .40 - .41
Chilean, bgs.....lb. .38 - .38½
Portuguese, bgs.....lb. .38 - .41
Spanish, bgs. .....lb. .43½- .44
Para-anisidin, dms., works....lb. .75 - —

NOW AVAILABLE IN COMMERCIAL QUANTITIES

Epichlorohydrin

CONSIDER THIS HIGHLY REACTIVE INTERMEDIATE

Availability of Epichlorohydrin (1-Chloro-2,3-epoxypropane) in tank car quantities offers many new opportunities to the chemical industry.

Epichlorohydrin reacts through its epoxide structure with a variety of compounds possessing "active" hydrogen atoms, including: water, acids, phenols, alcohols, mercaptans, ammonia, and amines. In these reactions the epoxide ring opens at the terminal carbon atom to give alpha-gamma substituted derivatives of glycerin.

Since the chlorine in Epichlorohydrin is also reactive, varying combinations of the epoxide ring, chlorine atom, hydroxyl group, amine radical, ether linkage and ester structure are possible *in the same molecule.*

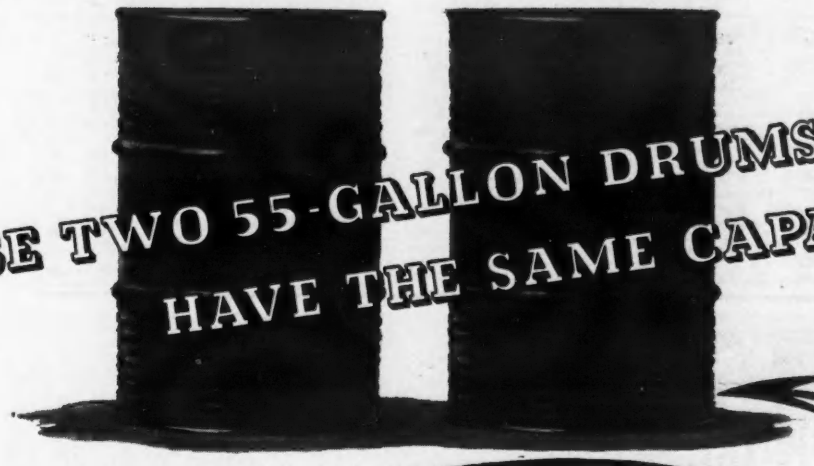
In addition, a wide variety of substituted polyethers can be obtained by polymerization of Epichlorohydrin or its epoxy derivatives.

Technical Booklet SC: 46-3 which gives physical and chemical properties of Epichlorohydrin is available on request. Write for your copy.

SHELL CHEMICAL CORPORATION

100 Bush Street, San Francisco 6 · 500 Fifth Avenue, New York 18
Los Angeles · Houston · St. Louis · Chicago · Cleveland

THESE TWO 55-GALLON DRUMS HAVE THE SAME CAPACITY



—but one with Tri-Sure Closures will drain 8 OUNCES MORE than the other

INSIDE OF HEAD OF 55-GALLON DRUM

The T-Square Test shows the flush fitting of the Tri-Sure Flange, which guarantees full drainage.

THE REASON being that the Tri-Sure Flanges engage *perfectly flush* with the inside of the drumhead. Tri-Sure assures *complete drainage* — prevention of waste — and delivery of full quantity.

Every time you make a shipment, for instance, of 10,000 55-gallon drums, this Tri-Sure characteristic saves over 650 gallons. This is only one reason why drum users all over the world have found that it always *pays* — in the prevention of *waste*, as well as leakage, seepage and tampering — to equip their drums with Tri-Sure Closures. Your customer receives exact gallonage, as filled — every time — when you specify "equipped with Tri-Sure Closures" on every drum order.

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Parachlorophenol, dms., c.l., works, lb.	.24	- —
l.c.l., same basis	.25	- .27
Paracresol, bbls., works	.41	- —
Paracymene, dms., c.l., works	.1595	- —
l.c.l., same basis	.1645	- —
tanks, same basis	.1545	- —
Paradichlorobenezene, dms., c.l., works	.11	- .12
l.c.l., same basis	.12¼	- .13
Paraffin,[3] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery	.05¼	- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery	.05	- —
123-126 ASTM, refinery	.0520	- —
125-127 ASTM, refinery	.0520	- —
128-130 ASTM, refinery	.0560	- —
130-132 ASTM, refinery	.0585	- —
133-135 ASTM, refinery	.0615	- —
135-137 ASTM, refinery	.0640	- —
Prices in bags 4/10c. lb. higher.		
Paraformaldehyde, dms. 1,000 lbs. or more, works	.21	- —
smaller lots, works	.22	- —
Paraldehyde, tech., 98% 55 and 110-gal. dms., l.c.l., wks.	.12	- —
10-gal. dms., works	.15	- —
USP, cbys., cns.	.35	- .45
Paranitroanilin, kgs., works	.41	- .43
Paranitrochlorobenzene, kgs., wks.	.15	- —
Paranitrophenol, kgs.	.35	- —
Paranitrotoluene, kgs., works	.30	- —
Paraphenylenediamine, tech., kgs.	1.25	- —
Paratoluenesulphonamide, bbls.	.70	- —
Paratoluidin, bbls., works	.43	- —
Paris green,[4] dealer, distributer, dms., kgs., c.l., works, frt. alld.	.26	- —
l.c.l., same basis	.27	- —
Passion flower herb, bls.	.30	- .32
Patchouli leaves, bls.	.38	- .40
Pectin, bbls.	1.25	- —
Penicillin,[4,6] ampule, per 100,000 units	.49	- —
Pennyroyal leaves, bls.	.24	- .25
Pentachlorophenol, dms., works, lb.	.20	- .25
Pentaerythritol, CP, bbls. dlvd. lb.	.75	- —
smaller containers	1.00	- —
tech., bbls., c.l.	.27	- —
l.c.l.	.31	- —
Pentane, 28°-33° C., industrial grade, dms., c.l., Group 3, gal.	.11	- —
l.c.l., dms., Group 3, gal.	.19	- —
tanks, Group 3	.07½	- .07¾
laboratory grade, 10-gal. cns., dlvd. E.	.55	- —
dms., c.l., Group 3	.16	- —
l.c.l., Group 3	.29	- —
Pepper, black,[7] bgs.	.80	- .82
futures, bgs., nearby	.61	Nom.
distant	.51	Nom.
Red, capsicum, Carolina longs, new crop, bgs., ship't point.	.60	Nom.
sports, old crop, bgs.	No stocks	
Louisiana, longs, new crop, bgs., shipment point.	No stocks	
sports, bgs.	No stocks	
Niger, bgs.	.47	- .48
Chillies, Haitian, bgs.	.56	- .57
Mexican, long	.50	- .51
White,[7] bgs.	.70	- .72
Peppermint, dom., USP, bls.	1.20	- 1.25
imported, USP, bls.	1.40	- 1.50
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	.0779	- .0800
Zone 2, same basis	.0832	- .0850
Zone 3, same basis	.0882	- .0900
Zone 4, same basis	.0876	- .0900
Perchloroethylene, dms., l.c.l., Zone 1, same basis	.0882	- .0850
Zone 2, same basis	.0882	- .0900
Zone 3, same basis	.0932	- .0950
Zone 4, same basis	.0926	- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va. Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah Wash.		
Peru balsam, dms.	1.25	- 1.80
Petrolatum, tech., dark, bbls., c.l., Group 3	.021	- —
golden topaz, bbls., c.l.	.032	- —
l.c.l.	.036	- —
red, veterinarian, bbls., c.l.	.024	- —
l.c.l.	.028	- —
USP, amber, non-ret. dms., c.l. lb.	.04¼	- —
l.c.l.	.05¼	- —
extra amber, dms., c.l.	.04½	- —
l.c.l.	.05½	- —
cream, c.l., dms.	.05¾	- —
l.c.l.	.07¾	- —
white, lily, dms., c.l.	.05¼	- —
l.c.l.	.05¾	- —
snow, dms., c.l.	.06¾	- —
l.c.l.	.09	- —
soft, dms. c.l.	.05½	- —
l.c.l.	.07¾	- —
yellow, soft, dms., c.l.	.05¾	- —
l.c.l.	.05¾	- —
Petroleum, crude, bulk, at wells, California, heavy grades. bbl.	1.28	- 1.98
Illinois bbl.	1.67	- —
Kentucky, Union County, bbl.	1.62	- 1.67
Petroleum, crude, bulk, at wells, Louisiana-Arkansas bbl.	1.16	- 1.50
Montana bbl.	1.20	- 1.60
Oklahoma-Kansas bbl.	1.15	- 1.55
Pennsylvania, lower field, bbl.	3.23	- 3.35
Upper field bbl.	1.66	- 3.00
Texas East bbl.	1.60	- —
Gulf coast bbl.	1.40	- 1.53
North, North-Central bbl.	1.36	- 1.60
Panhandle bbl.	1.08	- 1.50
West bbl.	1.00	- 1.40
Wyoming bbl.	1.15	- 1.55
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E. gal.	.55	- —
dms., c.l., Group 3 gal.	.16	- —
l.c.l., same basis gal.	.29	- —
35°-60° C, 10-gal. cns., dlvd. E. gal.	.55	- —
dms., c.l., Group 3 gal.	.16	- —
l.c.l., same basis gal.	.29	- —
40°-75° C., 10-gal., cns., dlvd. E. gal.	.55	- —
dms., c.l., Group 3 gal.	.16	- —
l.c.l., same basis gal.	.29	- —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2. gal.	.04½	- —
No. 3 gal.	.04½	- —
Bayonne, No. 2, tanks, gal.	.0630	- .0640
California, heavy bbl.	1.25	- 1.30
light bbl.	1.35	- 1.40
diesel gal.	.04¾	- .05¼
Group 3, No. 1 gal.	.04¾	- .04¾
No. 2, straw gal.	.04½	- .04¾
No. 3 gal.	.04	- .04½
Oklahoma, No. 1, p.w.gal.	.04¾	- .05½
No. 1, straw gal.	.04¾	- —
No. 2, straw gal.	.04½	- .04¾
No. 3 gal.	.04	- .04½
No. 6 bbl.	1.15	- 1.35
range gal.	.04½	- —
Pennsylvania, No 1. gal.	.06¾	- .07
No. 2 gal.	.06¼	- .06¾
No. 3 gal.	.06¼	- .06½
36-40 gravity gal.	.06¼	- —
Bunker C (No. 6), tanks, Albany, N. Y. bbl.	1.92	- —
Baltimore, Md. bbl.	1.72	- —
Boston, Mass. bbl.	1.96½	- —
Charleston, S. C. bbl.	1.83	- —
Jacksonville, Fla. bbl.	1.83	- 1.83
New York, N. Y. bbl.	1.92	- 2.02
Norfolk, Va. bbl.	1.88	- 1.93
Philadelphia, Pa. bbl.	1.92	- 2.02
Portland, Me. bbl.	2.01	- 2.06
Providence, R. I. bbl.	1.98	- 2.04
Savannah, Ga. bbl.	1.88	- —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles gal.	.12	- —
Fort Wells, Wash. gal.	.13	- —
East Coast, N. J., N. Y., tanks, refinery gal.	.12	- —
Group 3, benzol type tanks, gal.	.06¾	- —
toluol type, tanks gal.	.06¾	- —
San Francisco gal.	.11½	- —
Willbridge, Ore. gal.	.12	- —
Mineral spirits, California, San Francisco, 168-252 b.r., tanks gal.	.10¾	- —
198-290 b.r., tanks gal.	.11¼	- —
246-397 b.r., tanks gal.	.11½	- —
312-406 b.r., tanks gal.	.10	- —
362-458 b.r., tanks gal.	.10	- —
East Coast, N. J., N. Y., tanks, refinery gal.	.10½	- —
Group 3, tanks, refinery gal.	.07½	- —
Gulf coast, tanks gal.	.07¾	- —
tankwagon, Baltimore gal.	.15½	- —
Boston gal.	.12½	- —
Bridgeport, Conn. gal.	.1680	- —
Buffalo gal.	.11	- —
Camden, N. J. gal.	.11	- —
Chicago gal.	.1460	- —
Detroit gal.	.1710	- —
Hartford gal.	.1680	- —
Kansas City, Mo. gal.	.1280	- —
Lancaster, Pa. gal.	.12½	- —
Newark gal.	.11½	- —
New York gal.	.11½	- —
Philadelphia gal.	.11½	- —
Pittsburgh gal.	.13	- —
Providence gal.	.13½	- —
Rochester gal.	.12	- —
St. Louis gal.	.1370	- —
Syracuse gal.	.1270	- —
Washington, D. C. gal.	.15¼	- —
Wilmington, Del. gal.	.11½	- —
Naphtha, cleaners, California, tanks, San Francisco gal.	.13	- —
East coast, N. J., N. Y., tanks, refinery gal.	.11½	- —
Group 3, tanks, refinery, gal.	.08½	- —
tankwagon, Newark gal.	.12½	- —
Bridgeport gal.	.13	- —
Chicago gal.	.14½	- —
Detroit gal.	.15½	- —
New York gal.	.12	- —
Philadelphia gal.	.125	- —
St. Louis gal.	.1470	- —
High-solvency, No. 8, tanks, Paulsboro, N. J. gal.	.16	- .22½
No. 30, tanks, same basis. gal.	.17	- .22
No. 40, tanks, same basis. gal.	.17½	- .22
No. A-80, tanks, Carteret, N. J. gal.	.21½	- —
Chicago, Cincinnati, Detroit gal.	.24	Nom.
No. B-90, tanks, all shipping points gal.	.24½	- —
No. F-80, tanks, Carteret, N. J. gal.	.23	- —
V.M.&P., at refinery, California, 46.5, 254 i.b.p., 380 e.p., tanks, El Segundo gal.	.12	- —
Richmond gal.	.12½	- —
Willbridge, Ore., Pt. Wells, Wash. gal.	.13	- —
64-77, 190 i.b.p., 310 e.p., Los Angeles gal.	.11	- —
San Francisco gal.	.11½	- —
Portland, Seattle gal.	.12	- —
Group 3, tanks gal.	.08½	- —
Gulf Coast (dlvd. New Orleans), tanks gal.	.08¾	- —
tankwagon, Boston gal.	.13½	- —
Chicago gal.	.1460	- —
Detroit gal.	.1710	- —
Milwaukee gal.	.15½	- —
Minneapolis gal.	.1540	- —
Newark gal.	.13	- —
New York gal.	.12½	- —
Philadelphia gal.	.13	- —
Pittsburgh gal.	.14	- —
St. Louis gal.	.1470	- —
Solvent, rubber, at refinery, California, San Francisco gal.	.26½	- —
East Coast, N. J., N. Y., tanks gal.	.11½	- —
Group 3, tanks gal.	.08½	- —
Stoddard (CS 8-53), at refinery:— California (San Francisco), tanks gal.	.12	- —
East Coast, N. J., N. Y., Group 3, tanks gal.	.07¾	- —
Group 3, tanks gal.	.07½	- —
Pennsylvania, western, tanks gal.	.07¼	- .07½

Penn Salt's

HYDROFLUORIC ACID

etches and polishes

HEISEY GLASSWARE

ANHYDROUS HF

was first produced commercially in our Easton, Penna., plant. It is used as an alkylation catalyst in the production of high octane gasoline. It is also used in the production of organic fluorine compounds, in the synthesis of other organic compounds, and for the preparation of high purity inorganic fluorine compounds. Shipped in cylinders and tank cars.

For the etching and polishing of fine glassware, Penn Salt's Hydrofluoric Acid is used more today than ever before. It is also valuable in cleaning steel, for the frosting of light bulbs, and for many other industrial purposes.

Hydrofluoric Acid strengths below 60%, and special grades of 60% are shipped in rubber drums. Strengths from 60% to 80% in steel drums.

For complete information, write to Pennsylvania Salt Manufacturing Company, Widener Building, Philadelphia, Pa.

PENNSYLVANIA SALT MANUFACTURING COMPANY

Chemicals

1000 WIDENER BUILDING, PHILADELPHIA 7, PA.

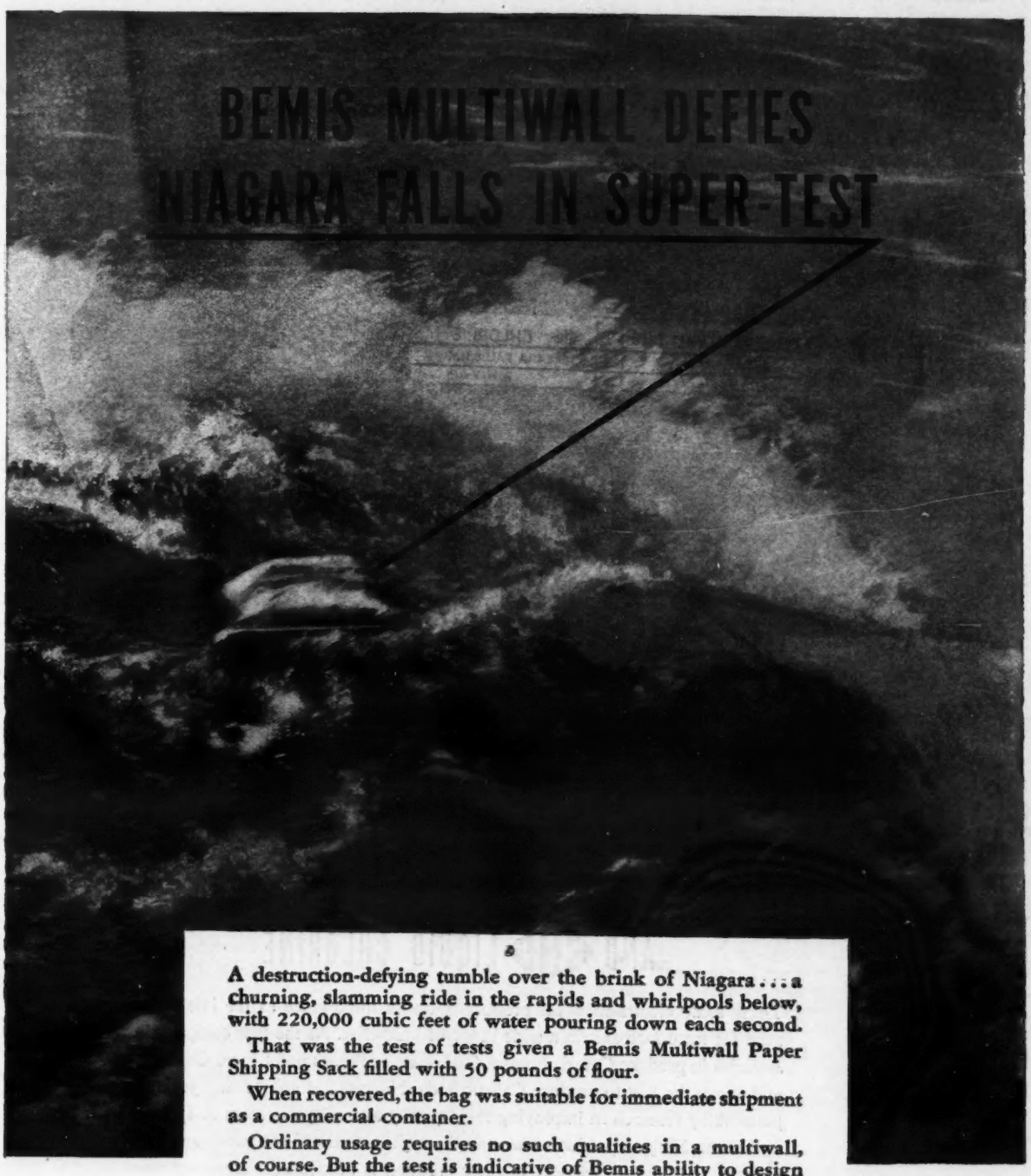
New York • Chicago • St. Louis • Pittsburgh • Cincinnati • Minneapolis • Wyandotte • Tacoma

Petroleum solvent, Stoddard, tank-wagon, Baltimore	gal.	.14	—
Boston	gal.	.12	—
Chicago	gal.	.14½	—
Detroit	gal.	.16½	—
Milwaukee	gal.	.15½	—
Minneapolis	gal.	.1540	—
Newark	gal.	.12	—
New York	gal.	.12	—
Philadelphia	gal.	.12	—
Pittsburgh	gal.	.13½	—
St. Louis	gal.	.14½	—
Syracuse	gal.	.15	—
Sulphonates, 60% sulphonic content, ret. dms., c.l., works	lb.	.09¾	—
l.c.l., works	lb.	.09¾	.10¾
tanks, works	lb.	.09¼	—
50% sulphonic content, ret. dms., c.l., works	lb.	.09¾	—
l.c.l., works	lb.	.09¾	.10¾
tanks, works	lb.	.09¼	—
Phenobarbital, cns.	lb.	3.60	3.70
dms., 100 lbs.	lb.	3.50	—
Phenol, 90-92% (cresol, 4-10%), dms., c.l., works, frt. equald.	lb.	.10¾	.11
l.c.l., same basis	lb.	.11¼	.11¾
tanks, same basis	lb.	.09¾	.10½
83-84% (cresol, 16-16½), dms., c.l., same basis	lb.	.10¾	.11¼
l.c.l., same basis	lb.	.11½	.12
tanks, same basis	lb.	.09¾	.10¼
USP, dms., c.l., same basis	lb.	.10½	.12½
l.c.l., same basis	lb.	.11¼	.13¼
tanks, same basis	lb.	.09½	.11½
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85	—
smaller lots	lb.	.87	.92
Yellow, fib. dms., 2,000 lbs.	lb.	.80	—
smaller lots	lb.	.82	.87
Phenothiazin, NF, fib. dms., ton lots or more, works	lb.	.49	—
smaller lots, works	lb.	.54	—
Phenylacetaldehyde, solution, 50%, bots.	lb.	2.25	2.50
pure, bots.	lb.	4.00	5.00
Phenylethyl acetate, dms.	lb.	1.65	3.00
Phenylethylphenyl, acetate, bots.	lb.	5.25	7.50
Phenylhydrazin, base, CP, bots.	lb.	4.55	—
Hydrochloride, CP, bots., works.	lb.	7.10	—
commercial, kgs., works	lb.	1.75	—
Phloroglucinol, CP, fib. dms.	lb.	13.75	-14.75
tech., fib. dms.	lb.	12.00	-12.55
Phosgene, ton lots, works	lb.	.19	—
Phosphate, defluorinated (see under D).			
Phosphate rock,[1] Fla., land pebble unground, run-of-mine, washed, dried, 66%-68% b.p.l., bulk, car at mine, c.l.	long ton	2.60	—
70%-68%, same basis	long ton.	3.00	—
72%-70%, b.p.l., same basis	long ton.	3.60	—
75%-74%, b.p.l., same basis	long ton.	4.60	—
77%-76%, b.p.l., same basis	long ton.	5.60	—
entirely pebble 50c. per ton higher than above prices.			
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum	short ton.	3.15	—
66%, b.p.l., basis 31% P_2O_5 minimum	short ton.	3.35	—
70%, b.p.l., basis 32% P_2O_5 minimum	short ton.	3.70	—
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5½% i. & a., same basis	long ton.	5.50	—
72%-70%, b.p.l., 5½% i. & a., same basis	long ton.	6.00	—
refinery ground, 29% P_2O_5, same basis	long ton.	5.15	—
30% P_2O_5, same basis	long ton.	5.35	—
31% P_2O_5, same basis	short ton.	5.45	—
32% P_2O_5, same basis	short ton.	5.70	—
33% P_2O_5, same basis	short ton.	6.20	—
Phosphorus, red amorphous, cs.	lb.	.40	.44
tins, export	lb.	.55	—
yellow, cns.	lb.	.23	.25
dms., c.l.	lb.	.14½	—
Oxychloride, dms., c.l.	lb.	.10½	—
l.c.l., dms.	lb.	.12½	.15
Pentoxide, dms., c.l., works	lb.	.11	.12
l.c.l., works	lb.	.13	.14
Sesquisulphide, cs.	lb.	.38	.42
Trichloride, dms., c.l.	lb.	.10½	—
l.c.l.	lb.	.12½	.15
Phthalamide, bbls., works	lb.	.35	.40
kgs., works	lb.	.45	.50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13	.14½
l.c.l., same basis	lb.	.14	.15¾
Pichi leaves, bgs.	lb.	.07	.08
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, bots.	oz.	8.00	—
Pilocarpine hydrochloride, USP, bots., vis.	oz.	5.25	6.50
Nitrate, bots., vis.	oz.	5.15	6.25
Pimento, Jamaica, bgs.	lb.	.24	.24½
Pinetar, retort, dms., incl., c.l., works, divd. E.	gal.	.31	.37½
l.c.l., works, dms. incl.	gal.	.32	—
tanks, divd. E.	gal.	.27	.29
Pinkroot, bls.	lb.	1.00	1.05
Piperazine hexahydrate, bots.	lb.	16.00	-17.00
Pitch, burgundy (see B).			
Coaltar, 160° m.p., bbls., c.l., works	ton.	19.00	—
l.c.l., works	ton.	22.00	—
Cottonseed, dms., works	lb.	.04	.06
Hardwood, paper bgs., works	lb.	.06½	—
Linseed, dms.	lb.	.05	.05½
Petroleum (see Asphaltum, Mexican, Texas).			
Pine, dms.	100 lbs.	6.50	—
stands, 200 lbs.	stand.	6.00	—
Soybean, dms., works	lb.	.04	.06
Plaster of paris (see Gypsum).			
Podophyllin, dms.	lb.	12.25	-12.50
Pokeroot, bls.	lb.	.19	.20
Polystyrene, plain colors, dms., 20,000 lbs., works, frt. alld.	lb.	.32	—
20,000 lbs., frt. alld.	lb.	.33	—
smaller lots, frt. alld.	lb.	.34	.36
Water-clear, polystyrene, 7c. per lb. less than plain colors.			
Pomegranate, root bark, bgs.	lb.	.75	.78
Poppy flowers, bls.	lb.	.60	.70
Seed, Argentine, bgs, futures.	lb.	.20½	.21
Danish, bgs.	lb.	.26	.26½
Dutch	lb.	.25½	.26
Indian, white, bgs.	lb.	No stocks	
Swedish, bgs.	lb.	.22	.22½
Turkish, bgs.	lb.	.22	.22½
Potash abietate	lb.	.06	—
Acetate, USP, dms.	lb.	.28	.33
Arsenite, USP, solut., cbys., djns.	lb.	.13	.15
Bicarbonate, USP, cryst., gran., bbls., dms.	lb.	.10	.21
Bichromate,[1] bgs., c.l., works	lb.	.10	—
l.c.l., works	lb.	.10½	.10¾
Potash bichromate in bbls. ¼c. higher.			

Potash borate, gran., bbls., N. Y. or Chi.	lb.	.1615	—
Bromide, USP, cryst., gran., 500-lb. bbls., dms.	lb.	.25	.29
Carbonate, calcined, bbls., c.l., works	lb.	.06¾	—
l.c.l., same basis	lb.	.06¾	—
hydrated, 83-85%, bbls., c.l., works	lb.	.05½	—
dms., l.c.l., same basis	lb.	.05¾	—
USP, gran., bbls., dms.	lb.	.14	.20
powd., bbls., dms.	lb.	.19	.21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works, 100 lbs.		9.21	—
l.c.l., works	100 lbs.	9.68½	—
liquid, dms., c.l., works	100 lbs.	8.56	—
l.c.l., works	100 lbs.	8.68½	—
tanks, works	100 lbs.	8.06	—
solid	100 lbs.	8.56	—
l.c.l., works	100 lbs.	8.93½	—
regular, flake, 88-92%, dms., c.l., works	lb.	.07	—
l.c.l., works	lb.	.07½	.07½
liquid, 45% basis, dms., c.l., works, frt. alld.	lb.	.03¼	—
l.c.l., same basis	lb.	.03½	.03¾
tanks, same basis	lb.	.02¾	—
solid, 88-92%, dms., c.l., works	lb.	.06¼	—
l.c.l.	lb.	.06½	.06¾
Chromate, bgs.	lb.	.24	.28
Chlorate,[1] cryst., kgs., c.l., works	lb.	.11	.11¾
l.c.l., works	lb.	.119	.130
powd., dms., kgs., c.l., works, l.c.l., works	lb.	.119	.130
export, 1 to 10 tons, kgs., ex whse.	lb.	.16	.18
Chloride, tech., cryst., 98% bgs., kgs.	lb.	.08	Nom.

Potash citrate, USP, gran., bbls., dms.	lb.	.83½	.38½
powd. 3c. per lb. higher.			
Cyanide, dms., works	lb.	.55	—
Fluoride, bbls.	lb.	.34	.40
Glycerophosphate, 75% solution, cns. cbys.	lb.	1.63	1.67
dms., 1,000-lb. lots	lb.	1.50	—
100-lb. lots	lb.	1.60	—
Guaiacosulphonate, NF, dms.	lb.	1.65	1.75
Hydroxide, USP, sticks, dms.	lb.	.34	.36
Hypophosphite, cns.	lb.	.72	.75
Iodate, bots., 5 lbs.	lb.	3.40	—
cns., 25 lbs.	lb.	3.35	—
Iodide, bots., cns.	lb.	1.44	1.48
dms.	lb.	1.35	1.38
Manure salt, 22% K_2O Carlsbad, N. M.	unit-ton.	.20	—
25% K_2O, same basis	unit-ton.	.21	—
Metabisulphite, gran., bbls.	lb.	.19	.21
powd., bbls.	lb.	.25	—
Muriate,[6] dom., 60-62-63% K_2O, bulk, ex vessel ports	unit-ton.	.53½	—
granular, 50-52% K_2O, ex vessel U. S. ports	unit-ton.	.53½	—
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.3c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 3c. per unit of K_2O less than ex vessel price at Pacific coast ports.			
Nitrate (see Saltpeter).			
Oxalate, neutral, pure, gran., bbls., dms.	lb.	.37	.50
tech. fine gran., bbls., dms.	lb.	.28	.31
Perchlorate, kgs., works	lb.	.09¾	.11
Permanganate, tech. dms., works	lb.	.19¾	.20¼
USP, dms., works	lb.	.20½	.21
Persulphate, dms., c.l. works,	lb.	.16	—
l.c.l., same basis	lb.	.20	—

Potash prussiate, red, kgs.	lb.	.50	.53
Yellow, bbls.	lb.	.16	.17
Ricinoleate, tech., bbls.	lb.	.18	—
Silicate, glass, bgs., c.l. works,	ton.	200.00	—
l.c.l.	100 lbs.	15.25	—
solution, 29° Be, ret drums, c.l., works	100 lbs.	4.25	—
l.c.l., 5 or more, works	100 lbs.	5.00	—
1-4, works	100 lbs.	5.50	—
32° Be, ret. dms., c.l., works	100 lbs.	4.75	—
l.c.l., 5 or more works,	100 lbs.	5.50	—
1-4, works	100 lbs.	6.00	—
40.5° Be, ret. dms., c.l., works	100 lbs.	5.75	—
l.c.l., 5 or more, works,	100 lbs.	6.50	—
1-4, works	100 lbs.	7.00	—
Sulphate,[6] NF, gran.	lb.	.14	.20
powd., bbls	lb.	.15	.21
tech., dom., bulk,[6] basis 90-95% K_2O_4, min. 90%, ex vessel Atlantic or Gulf ports	ton.	36.25	—
West coast potash ports, same basis	ton.	39.25	—
Sulphocyanide, cryst., N.F., dms.	lb.	.62	.79
Triocyanate (see Potash sulphocyanide)			
Xanthate, dms., c.l.	lb.	.12	—
Potash-gold cyanide, 41% gold, bots., works	oz.	14.20	-14.95
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports	ton.	26.00	—
Potash-soda ferricyanide, kgs., works	lb.	.40	.45
Potash-titanium oxalate, bbls., dms.	lb.	.45	.50



A destruction-defying tumble over the brink of Niagara . . . a churning, slamming ride in the rapids and whirlpools below, with 220,000 cubic feet of water pouring down each second.

That was the test of tests given a Bemis Multiwall Paper Shipping Sack filled with 50 pounds of flour.

When recovered, the bag was suitable for immediate shipment as a commercial container.

Ordinary usage requires no such qualities in a multiwall, of course. But the test is indicative of Bemis ability to design and produce a bag more than capable of withstanding even the most extreme shipping conditions.

On packaging problems remember a Bemis Multiwall Specialist is always ready to help you. Call any of the 33 Bemis Plants and Offices.

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Peoria, Ill. • East Pepperell, Mass. • Mobile, Ala. • San Francisco, Calif. • Wilmington, Calif. • St. Helens, Ore.

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BEMIS BRO BAG COMPANY

Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs. .....lb. .20 - .21
Prince's pine herb, bls.....lb. .50 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 3.75 - —
smaller lots .....lb. 4.00 - —
Propane,[1] industrial grade, tanks, Group 3..gal. .09¾- —
Propylenaglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .60 - .65
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 6½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. .27 - .28
Purple lake (see Red).
Putty, com'l dms.....100 lbs. 2.15 - —
linseed oil, raw, dms...100 lbs. 5.00 - —
refined, dms.....100 lbs. 4.90 - —
standard, dms.....100 lbs. 4.90 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 2.25 - 2.30
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., regular base, works..gal. 6.65 - —
odorless base, dms., works. gal. 6.75 - —
(20 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works..gal. 10.00 - —
Pyrethrum, flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33½- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —

Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis. lb. .45 - .46½
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton. 10.00 -11.50
325 mesh, same basis.....ton. 13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis....ton. 11.50 - —
Pyrophyllite in paper bgs., $1.50 per ton extra.

Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed mottled, cs., wks.lb. .14 - —
white, China, ivory, cs., wks. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works, lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

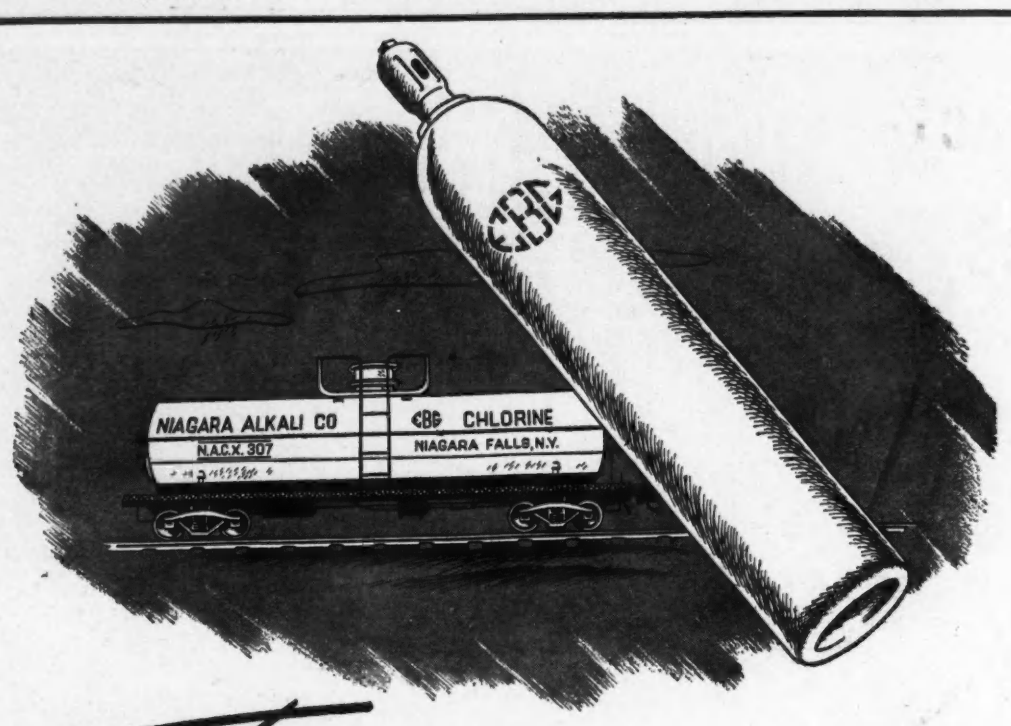
Quassia chips, bls.....lb. .08 - .09
Quebracho extract[2], solid, 63% tannin, bgs., c.l., ex dock, in bond..lb. .063125- .06525
clarified, 64% tannin, bgs., c.l., same basis..lb. .063125- .070625
dissolved, 55% tannin, bbls., works..lb. .04875- .0605
tanks, works.....lb. .04075- —

Quebracho extract, ground, 70% tannin, bgs., c.l..lb. .069 - —
l.c.l. .....lb. .0915- —
Quebracho extract prices based on $15 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron crystals, bbls.....lb. .32 - —
Extract, No. 1, bbls.....lb. .13 - —
solid, bxs. .....lb. .23 - —
Quicksilver, flasks (76 lbs. net) flask. 95.00 -95.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[3] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[3] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs., oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .80¼- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydriodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs. oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80¼- —

Quinine, sulphocarbolate, cns., 100 ozs..oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride,[3] USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms. .....lb. .52 - —
Raspberries, dried, bls.....lb. 1.75 - 1.80
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.05 - 1.30
light shade, bbls., same basis..lb. .90 - 1.15
maroon, bbls., same basis.. lb. 1.15 - 1.25
medium shade, bbls., same basis..lb. 1.00 - 1.10
medium-light shade, bbls., same basis..lb. .95 - 1.05
Orange-red, bbls., same basis..lb. .95 - 1.90
Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.
Carmine, No. 40, dms., bulk, works..lb. 5.50 - —
smaller lots, same basis..lb. 6.10 - —
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - .92
Indian, dom., pure, bls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .06½- —
80-85%, bbls., same basis.lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 50% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; and E. St. Louis..lb. .06¾- —
50% copperas oxide, bbls., same basis..lb. .085 - .094
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - .97
Lithol toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .02 - —
Oxide (see Red, iron oxide).
Para toner, concent., alizarin lake, kgs., works..lb. .70 - .75
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .85 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - 1.13
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .0275- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .0325- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., flb. dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP cryst., dms., frt. alld..lb. 1.00 - —
Rhatany root, bgs.....lb. .14 - .16
Rhubarb, whole, cs.....lb. 1.50 - 1.55
powd., bbls. .....lb. 1.00 - 1.05
Riboflavin, bots. .....kilo. 200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .34½- —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .33 - .34
Rosemary flowers, bls.....lb. 1.35 - 1.65
Leaves, Portuguese, bls.....lb. .05½- .00
Spanish, bls. .....lb. .12½- .13
Resin, gum—
B, dms., c.l.....100 lbs. No prices
D, dms., c.l.....100 lbs. No prices
E, dms., c.l.....100 lbs. No prices
F, dms., c.l.....100 lbs. No prices
G, dms., c.l.....100 lbs. No prices
H, dms., c.l.....100 lbs. No prices
I, dms., c.l.....100 lbs. No prices
K, dms., c.l.....100 lbs. No prices
M, dms., c.l.....100 lbs. No prices
N, dms., c.l.....100 lbs. No prices
WG, dms., c.l.....100 lbs. No prices
WW, dms., c.l.....100 lbs. No prices
X, dms., c.l.....100 lbs. No prices
Wood, B (resin), dms., c.l., works..100 lbs. 4.60 - —
FF, dms., c.l., works.100 lbs. 5.50 - —
G, H, I, dms., c.l., works. 100 lbs. 5.95 - —
K, dms., c.l., works..100 lbs. 6.00 - —
M, dms., c.l., works..100 lbs. 6.05 - —
N, dms., c.l., works..100 lbs. 6.15 - —
WG, dms., c.l., works.100 lbs. 6.25 - —
WW, X, dms., c.l., works... 100 dms. 6.40 - —
Rotenone,[1] bbls., works.....lb. 12.05 - 14.50
extract, liq., dms., works..... per unit. 1.15 - —
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton. 25.50 - —
c.l., mines.....ton. 37.50 - —
Rue, bls. .....lb. .45 - .46



The importance

OF USING NIAGARA CAUSTIC POTASH, CARBONATE OF POTASH, CAUSTIC SODA AND CBB LIQUID CHLORINE

THESE BASIC electro-chemical products grow in importance as the intensified need for them increases in a wide range of industries. As the first company in America to produce Caustic Potash, Carbonate of Potash and Liquid Chlorine, and one of the first to produce Caustic Soda, Niagara has spent many years of painstaking research in improving their quality and adapting them to specialized needs. Niagara products maintain the highest standards of purity and uniformity, and Niagara's service in these products is unexcelled in thoroughness and efficiency to the full limit that the present production situation permits. For pioneering leadership in the electro-chemical field, look with confidence to Niagara. ▲▲▲ Niagara Alkali Company, 60 E. 42nd Street, New York 17, N. Y.

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NIAGARA ALKALI COMPANY

CAUSTIC POTASH • CAUSTIC SODA • LIQUID CHLORINE • NIAGATHAL
CARBONATE OF POTASH • PARADICHLOROBENZENE

Control aphids, "red spider" and citrus mites

Hexaethyl Tetraphosphate

Monsanto: first commercial producer in the U. S.

Hexaethyl Tetraphosphate (known in Germany as "Bladan") is one of the more recent chemical compounds made commercially available by Monsanto in the United States... It has been found valuable as a check on the vast damage done annually by aphids, "red spider" and citrus mites; it also shows promise as a control for other damaging insect pests.

Preliminary tests indicate that Hexaethyl Tetraphosphate is most effective in an emulsion form. Typical emulsions for spraying may be prepared by dissolving Hexaethyl Tetraphosphate in a suitable solvent, such as xylene, and incorporating an emulsifying agent. This solution may then be added to water in the proper concentrations to form the emulsion.

Samples and available information will be supplied . . . Write MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri.

EMPIRICAL FORMULA:
$C_{12}H_{30}O_{13}P_4$

TABLE OF PROPERTIES

APPEARANCE:	Tan to dark liquid.
SPECIFIC GRAVITY:	Approximately 1.3 or 10.7 lbs./gal.
CRYSTALLIZING POINT:	Solidifies at approximately minus 40°C.
BOILING POINT:	Decomposes above 150°C.
SOLUBILITIES:	Miscible in water, acetone, alcohol, benzene, carbon tetrachloride, chloroform, diacetone alcohol, ethyl acetate, glycerine, ortho-dichlorobenzene pine oil, toluene, xylene, alkyl naphthalenes, etc. Not miscible in kerosene or petroleum ether.
STABILITY:	Tests presently under way indicate that Hexaethyl Tetraphosphate as such is stable, but when diluted in water slowly hydrolyzes. Pending completion of these tests it is recommended that spray solutions be used within four hours after dilution.
TOXICITY TO ANIMALS:	Preliminary tests on rats indicate that Hexaethyl Tetraphosphate is toxic to warm-blooded animals. Until further information is developed all due precaution should be observed in the application and handling of this chemical and its formulations to avoid skin contact or accidental ingestion.

MONSANTO CHEMICALS
SERVING INDUSTRY WHICH SERVES MANKIND

S

Sabadilla seed, powd., bbls....lb. .55 - .70
activated, ground with lime, bbls..lb. .35 - .50
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.00 - 1.05
Spanish, USP, tins.....lb. 38.00 -39.00
Safrol, cns. .....lb. 1.10 - 1.15
Sage, leucophylla, bgs., Pacific coast..lb. .32 - .33
Cyprus, good, bls.....lb. .18½- .19
futures .....lb. .17 - .17½
Dalmatian, bls. futures.....lb. .30½- .31
Greek, bls. .....lb. .29 - .29½
Palestine, bls. .....lb. .16 - .16½
Spanish, bls. .....lb. .13 - .13½
Washington, Dalmatian-type, bls..lb. .40 - .41
Sago flour, bgs.....lb. .10 - .12
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms., works.....lb. 15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms. .....lb. .92 - .93
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton. 15.80 - —
l.c.l., bgs.....ton. 20.60 - —
vacuum, common, fine, bgs., c.l..ton. 16.90 - —
l.c.l. .....ton. 23.40 - —
Saltcake, com., bulk, works..ton. 15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 9.00
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns. klo. 170.00 -185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls. .....lb. .45 - .47
Mexican, bls. .....lb. .45 - .47
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls. .....lb. .69 - .75
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls. .....lb. .22 - .22½
Saw palmetto berries, bgs.....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns. .....lb. 1.35 - —
Root, bgs. .....lb. .10 - .18½
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31½- —
kegs, 5,000 lbs., 1 shipm't..lb. .31½- —
smaller lots.....lb. .31¾- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.40 - 2.50
Senna leaf, Alex., half-leaf, bls. lb. .27 - .28
siftings, bgs. .....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .24 - .29
2, bls. .....lb. .22 - .27
3, bls. .....lb. .20 - .24
powd., bbls., bgs.....lb. .24 - .29
Pods, bls. .....lb. .14 - .21
Serpentaria root, bls.....lb. 2.75 - 2.80
Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .69½- .70
Boston .....lb. .70½- .71
Chicago .....lb. .71 - 71½
Pacific coast.....lb. .73 - .73½
refined, bbls., 1,500-lb. lot. lb. .78 - .78½
Boston .....lb. .79 - .79½
Chicago .....lb. .79½- .80
Pacific coast.....lb. .81½- .82
Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c., per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
Shellac, superfine, 100 bgs., Boston, N. Y..lb. .76 - —
Chicago .....lb. .76½- —
Pacific coast.....lb. .79 - —
TN, 100 bgs., Boston, N. Y..lb. .71 - —
Chicago .....lb. .71½- —
Pacific coast.....lb. .74 - —
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 3c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works. ton. 17.00 - —
l.c.l., works.....ton. 20.00 - —
400 mesh, bgs., c.l., works. ton. 18.00 - —
l.c.l., works.....ton. 19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton. 18.00 - —
400 mesh, bgs., c.l., works. ton. 30.00 - —
l.c.l., works.....ton. 35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., works.....ton. 21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., works.....ton. 22.00 -25.00
Hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton. 13.50 - —
l.c.l., works.....ton. 18.50 - —
140 mesh, bgs., c.l., works. ton. 11.00 - —
l.c.l., works.....ton. 16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .27
Silver bullion.....oz. .90½- .91
Cyanide, cns., 100 ozs.....oz. .74 86- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .58¼- —
1,000-oz. lots.....oz. .58½- —
500-oz. lots.....oz. .58¾- —
single ounces.....oz. .59 - —
Silver nucleinate, USP, bots., dms., 1,000-oz. lots..oz. .390 - —
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .325 - —
Simarubra bark, bls.....lb. .37 - .38
Skullcap, Eastern, bls.....lb. .60 - .65
Western, bls. .....lb. .50 - .55
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works..ton. 11.00 -12.00
l.c.l., works.....ton. 12.00 -14.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, blues, ctns.....lb. .05 - .06
Blue, cans .....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls. .....lb. .28 - .29
crushed, bls., bbls.....lb. .33 - .34
cut., dom., bls., bbls.....lb. .33 - .34
imp., bbls. .....lb. No stocks
powd., bbls. .....lb. .31 - .32
Soda acetate, anhyd., dms., dlvd. lb. .06½- .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Alkylbenzene sulphate, dms., works..lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd....lb. .16 - .16¼
Arsenate, dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10¾- .11¼
Arsenite, grey, dms., dealers, c.l., wks.....lb. .08½- —
l.c.l., works.....lb. .09 - .10

Soda arsenite, gray ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.16 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1. 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l. works..100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. .90 - —
bulk, c.l., works...100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.86 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 96° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 96°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kans., Neb., W. of 96°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.30½- 2.35
l.c.l. .....100 lbs. 2.57½- 2.60
Bichromate,[1] bgs., c.l., works.. lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30° bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
dms., works.....lb. .25 - .29
Cacodylate, bots., dms.....lb. 8.50 -10.50
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 70%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd.100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 3.85
3, dlvd.....100 lbs. 3.95 - 5.20
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-40%, buyer's tanks, works, dry basis..100 lbs. 1.92½- —
sellers, tanks works, dry basis..100 lbs. 1.95 - —
76%, buyers' tanks, works, dry basis..100 lbs. 1.97½- —
seller's tanks, works, dry basis..100 lbs. 2.00 - —
solid, 76%, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.

SOLVAY

HEADQUARTERS for ALKALIES and related products

Soda Ash

Caustic Soda

Special Alkalies and Cleansers

Liquid Chlorine

Calcium Chloride

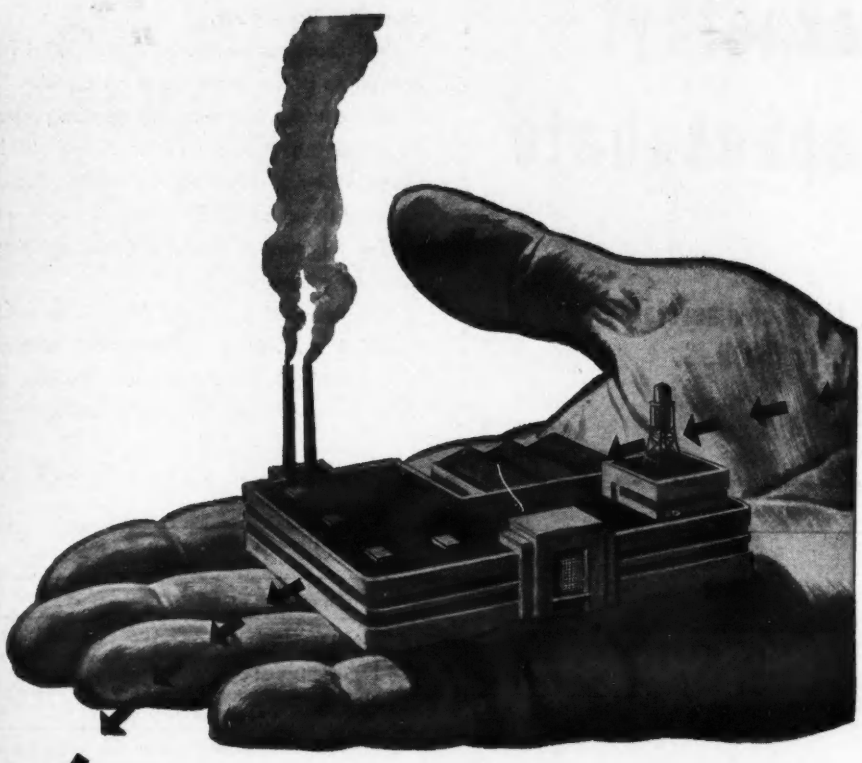
Potassium Carbonate

Caustic Potash

Sodium Nitrite

Ammonium Chloride

Para-Dichlorobenzene



A Helping Hand for Industry

Available to all industry is the Solvay Technical Service Staff... Comprised of chemists, engineers and technicians with broad, industry-wise knowledge and practical "know-how" experience, this complete corps of specialists offers expert, helpful advice on the use and handling of alkalies and related products.

Avail yourself of the dependable service that is assured by Solvay —manufacturers of alkalies and related products of the highest quality since 1881.

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Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK 6, N. Y.

BRANCH SALES OFFICES:

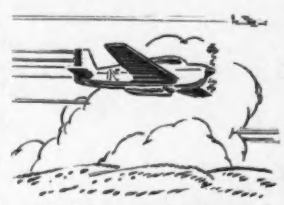
Boston - Charlotte - Chicago - Cincinnati - Cleveland - Detroit - Houston - New Orleans
New York - Philadelphia - Pittsburgh - St. Louis - Syracuse

Soda chlorate, cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works .....lb. .07 - .08¼
Chloride (see Salt).
Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equald..lb. .09½- .09⅝
Soda chromate in bgs. is ½c. less.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .18
Diacetate, 53-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works..lb. .0635- —
l.c.l., works.....lb. .0680- —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls., 100 lbs..lb. 1.25 - —
dms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. .24 - .25
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls.....lb. .10 - .12
Iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., dlvd..lb. .0485- —
l.c.l., N. Y. or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0435- —
l.c.l., N. Y. or Chi....lb. .046 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls. c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Molybdate,[1] anhyd., kgs., works, lb. .47 - —
crystals, bgs., works.....lb. .60 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.38.50 - —
bulk, same basis.....ton.35.50 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast, ports.100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis...100 lbs. 5.45 - 5.80
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Panthothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l c.l., works, frt. equald. lb. .19 - —
Perborate, NF, bbls., c.l., works. lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works..100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 -8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs. 6.00 - 6.95
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.80 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. 20c. higher.
Prussiate, yellow, bgs.....lb. .10¾- —
bbls., ...lb. .11 - —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetrabasic, anhydrous, bgs., c.l., works, frt. equald. 100 lbs. 5.25 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., c.l.....100 lbs. 1.35 - —
works, c.l. .....100 lbs. 1.10 - —
bbls., c.l. .....100 lbs. 1.40 - —
works, c.l. .....100 lbs. 1.20 - —
Salicylate, dms. .....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
Sesquicarbonate, bbls., c.l., works..100 lbs. 1.70 - —
l.c.l., zone 1, dlvd..100 lbs. 2.70 - —
2, dlvd .....100 lbs. 2.85 - —
3, dlvd. ... .100 lbs. 3.10 - —
4, dlvd. .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.95 - —
l.c.l., dlvd. .....100 lbs. 4.20 - 4.45
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works .....ton.13.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06½- .07
l.c.l., works .....lb. .07 - .07½
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls, works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼

Soda sulphate, tech., anhyd., bgs., c.l., works....100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - -
l.c.l., dlvd. .....100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd. .....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works ....100 lbs. 2.25 - —
bbls., c.l., works..100 lbs. 2.30 - —
l.c.l., works ....100 lbs. 2.55 - —
powd., bbls., c.l., works... 100 lbs. 5.25 - -
l.c.l., works.....100 lbs 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls. .....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38% dms. c.l., works, 100% basis. lb. .08 —
l.c.l., same basis.....lb. .08 - —
Sulphohydrate, liquid, 38% tanks, 100% basis, works. lb. .08¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works .....lb. .05 - —
Sulphoxylate formaldehyde, dms., c.l., works, frt. alld..lb. .17½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech., bgs.....lb. 1.35 - 1.60
Soda-ammonia phosphate, bbls., works, frt. equald.....lb. .23 - —
Soda-cinchophen, bots., dms., works..lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs..lb. .19 - .22
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60

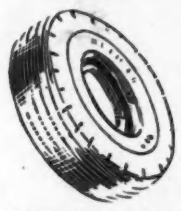
Soda-sulphamerazin, dms., works. lb.10.50 -10.60
Soda-sulphapyridin, powd., bots., dms., works..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., works..lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
Minnequa, Colo.....gal. .26 - —
high-flash, coaltar, dms., works..gal. .30 - —
tanks, frt. alld. E. of Omaha to 3c. per gal.. gal. .25 - —
Solvent naphtha, petroleum, tanks, refinery, Baytown, Tex.. gal. .19 - —
wire enamel, ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis....gal. .30 - —
tanks, works .....gal. .22 - —
Sorbitol, com'l, dms., c.l., works. lb. .20¾- —
l.c.l., works .....lb. .20¾- —
Soybean meal,[7] 41%, bulk, c.l., Decatur..ton.59.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works....lb. .20¼- —
smaller lots, works....lb. .20½- .24
Sparteinne sulphate, bots., cns. oz. 2.95 - 3.25
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .50 - .55
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls. .....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls. .....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11½

Starch,[1] corn, pearl, bgs., c.l. 100 lbs. 5.771 - —
l.c.l. .....100 lbs. 5.871 - —
Chicago, c.l .....100 lbs. 5.37 - —
powd., bgs., c.l.....100 lbs. 5.921 - —
l.c.l. .....100 lbs. 6.021 - —
Chicago, c.l. .....100 lbs. 5.52 - —
Potato, bgs., c.l.....lb. .0735- .0750
l.c.l. .....lb. 8.10 - .08¼
Rice, bgs., c.l .....lb No stocks
Sweetpotato, bgs. .....lb No stocks
Wheat, bgs. .....lb. .06½- .06⅝
Starch iodide, bots.....lb. 1.87 - —
Staves acre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .45 - .50
Stoneroot, bls. .....lb. .07½- .08
Storax, cs. .....lb. 1.00 - 1.10
Stramonium leaves, bgs.....lb. .16 - .17
Seed, bgs. .....lb. .20 - .21
Streptomycin, hospitals.....gram. 8.00 - —
wholesalers .....gram. 6.40 - —
Strontium bromide, NF, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls. .....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 98%, bbls., works..ton.58.00 - —
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots. .....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms. .....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- l.c.l., works .....lb. .08¼- .08⅝
Oxalate, bbls., works.....lb. .35 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 99%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.95
Strophanthin, bots. .....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs. lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —



HIGH OCTANE GASOLINE

LUBRICANTS



SYNTHETIC RUBBER

PHARMACEUTICALS

DYES

VARNISHES

How will you have your Aluminum Chloride?

Uniformity is of course your first requisite, and that's what you get from Hooker. Every shipment of Hooker Aluminum Chloride, Anhydrous, is of the same high purity as the previous one. You can count on uniform results in your processes where they depend on uniform purity of the Aluminum Chloride you use.

Is size of importance in your operations? Hooker Aluminum Chloride is available in three different sizes—one of which will surely meet your requirements:

Fine Grind—an unscreened material practically all passing 20 mesh.
Coarse Grind—unscreened, 1 mesh and finer containing 25 to 35% finer than 20 mesh.
Coarse Screened—same as above screened to remove 20 mesh and finer.

Whether you want to use Aluminum Chloride for a catalyst in Friedel-Crafts synthesis, polymerization, isomerization or halogenation, Hooker can supply it in the form best suited for your processes. As a catalyst in the preparation of derivatives for use in the manufacture of high octane gasoline, lubricants, synthetic rubber, dyes, varnishes, pharmaceuticals, etc., Hooker Aluminum Chloride has a freedom from iron and other impurities that insures smooth reactions.

Hooker Data Sheet No. 714, yours for the asking on your company letterhead, gives additional physical and chemical data. Hooker's Technical Staff is also ready to help you with the application of Aluminum Chloride and the other Hooker Chemicals to your particular problems.

HOOKER SPECIFICATION

Aluminum Chloride, Anhydrous, $AlCl_3$

Gray, Crystalline solid
Molecular Weight 133.3

Analysis

Aluminum Chloride	98.5 % min.
Iron	0.05% max.
Non-sublimables in air at 950°C	1.5 % max.

HOOKER ELECTROCHEMICAL COMPANY

1 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.
New York, N.Y. Wilmington, Calif. Tacoma, Wash.

HOOKER CHEMICALS

Caustic Soda **Muriatic Acid** **Sodium Sulfide**
Antimony Trichloride **Chlorine** **Sodium Sulfhydrate**

Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works, lb. 9.00 - 9.10
Sulphaguanidin, dms., works..lb. 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 80-90 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, works..lb. 5.00 - 5.30
Sulphathiazole, USP, powd., dms., works..lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs.lb. .18 - .36
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works.....100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works, 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.

Sulphur, refined, rock, bbls., c.l., works..100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.85 - —
Chloride, 35-gal. dms., c.l., works..lb. .05 - .05½
l.c.l., works.....lb. .04 - 04¼
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .06 - —
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .13 - .16
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .10½ - —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .13½
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a. bulk, production points, Balto..unit-ton. 70 - —
Florida .....unit-ton. .56 - .59
others .....unit-ton. .57 - .89
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c., per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton; guaranteed 18, 19 or 20% a.p.a., ¼c. per unit-ton higher

Superphosphate, triple, 45% or more, a.p.a., bulk, producing points, Florida... unit-ton. .68 - —
South Carolina..unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. .90 - 1.00

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Talc, dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.17.50 -18.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works, ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works, ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85-99.95% bgs., c.l., works..ton.17.00 -21.00
imp., Canada, bgs., c.l.....ton.24.00 30.00

Tallow,[1,7] edible, tanks.....lb. .09½- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08¼- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l .....lb. .10 - 10¼
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .12¼- 13¾
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 5.53 - —
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 5.53 - —
Tapioca flour,[5] bgs.....lb. .12½- .13
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .27½- .30½
l.c.l., works.....gal. .29½- 32½
25%, dms., c.l., works...gal. .31½- .35½
l.c.l. works.....gal. .33½- .37½
Tar, pine (see Pinetar).
Tara[1] pods, c.l., ex dock U. S. ports..long ton.87.25 - —
powd., c.l., same basis.long ton.125.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .44 - —
dms. .....lb. .44½- .47
USP, powd., bbls., dms., kgs. lb. .49 - .52
Terpin hydrate, com'l, bbls., c.l., lb. .24½- —
lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A)
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .54 - .60
extra, cns. .....lb. .60 - —
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .80 - .87
prime, cns., dms.....lb. .62 - .70
Terra alba (see Gypsum).
Tetrachloroethane, dms., works. lb. .08 - .08¼
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works..lb. .65 - —
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 Nom.
Theobromine, dms., 25-lb. lots.lb. 3.75 - —
smaller lots.....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bgs.....lb. .17 - .17½
futures, bgs.....lb. .16 - .16½
Spanish, bls.....lb. .13 - .13½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[1,6] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks
Oxide,[1,6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15¼- .15¾
nonchalking,[2,4] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., dlvd.....lb. .16¾- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .14¾- .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[2,4] dlvd...lb. .05¼- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c higher; Pac coast, c.l., dlvd., l.c.l., ex whse, ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 4.25 Nom.
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
Toluol (toluene), 2°, indust., dms., return, works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
1°, nitration, ret. dms., works. gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.60 - 1.70
Brazilian, Surinam, cs....lb. .90 - .95
Totaquine,[1,6] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .26 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .53 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .76 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .06 - —
Zone 2, frt. alld.....lb. .06½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan., (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

MAN'S best friend needs 5 to 10 times more capa than Thiamin

Can DOG'S best friend rely on less?

That's a provocative question for every pharmaceutical manufacturer aiming at *thoroughly effective* multi-vitamin products. Even though the actual human requirement for "Capa" is still undetermined, the conviction grows that no multi-vitamin formula can be considered therapeutically complete without a liberal amount of "Capa." Five species other than man—dogs, pigs, fowl, rats and mice—are known to require approximately five to ten times more "Capa" than thiamin. Moreover, "Capa" deficiencies in these species are known to impair the functions of heart, kidneys, stomach, intestines, skin, nervous system and certain glands—a variety of symptoms indicating strongly that Pantothenic acid is fundamental to life itself.

In the light of this consistent evidence, let the established ratio between the "Capa" and thiamin requirements of experimental animals be your guide, when you produce a multi-vitamin product for human consumption.

Nopco Chemical Company—a pioneer producer of "Capa"—offers ample and reliable supplies of "Capa" in two forms.

● NOPCO also offers CALCIUM PANTOTHENATE DEXTROROTATORY-NOPCO*—the pure, white, odorless, crystalline 100% active salt—and Beta-Alanine, important ingredient in pantothenate production.

dl-Calcium Pantothenate-Nopco*

a white odorless powder form guaranteed 49% active and priced to permit a 20% saving in cost

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★ PRODUCTS OF

NOPCO CHEMICAL COMPANY, Harrison, N. J. · A Subsidiary of National Oil Products Company

Pioneer producers of calcium pantothenate, natural A & D fish liver oil blends and concentrates, Vitab Rice Bran Concentrate —a naturally rich source of pantothenic acid.

Tricresyl phosphate, tech., cns., works..lb. .28 - .29½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%...lb. .34 - —
l.c.l., works, basis 100%...lb. .36 - —
tanks, works, basis 100%...lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .35 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices.
Turmeric root, Alleppey, bls...lb. .19½- .20
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .16½- .16⅝
Turpentine, gum, ret. dms., c.l. l.c.l. .....gal. 1.08½- 1.10
tanks, Savannah.....gal. 1.07½- 1.12
Wood, d.d., dms., East....gal. .96½- —
tanks, East.....gal. .65 - .70
steam-dist., ret. dms., East. gal. .60 - —
tanks, East.....gal. .90 - 1.08
Sulphate, ret. dms.....gal. .89 - .90

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -80.00
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
import, pure, cs.....lb. .12 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
Urea-ammonia liquor, fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3, ton.112.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Urunday, extract, 68% tannin, ex dock, U.S. ports..lb. .06625- .06875
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .58 - .77
Indian, bls. .....lb. .42 - .52
Valonia, beards, bgs., exdock.. ton.70.00 - —
Cups, bgs., exdock.....ton.65.00 - —
extract, powder, bgs., exdock. lb. .12½- —
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 8.00 - 8.75
Mexican, cuts tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, tins .....lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs. or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .28
Vinyl acetate, chys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works.lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. 1.35 Nom.
Wattle bark,[1,5] merchantable, bgs., f.a.s..ton.87.00 - —
fair average, bgs., f.a.s.. ton.80.50 - —
extract,[1] liquid, 55% tannin, bbls., works..lb. .05½- .06¼
tanks, works.....lb. .05¼- .05⅝
Wattle bark, extract, solid, E. Afr., 61% tannin, ex dock lb. .06095- .06345
S. Afr., 62% tannin, ex dock, lb. .0622- .0647
Wattle extract prices based on $12 freight and $1.00 insurance per long ton.
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs. .....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs..lb. .68 - .70
slabs, bgs.....lb. .65 - .68
crude, African, bgs.....lb. .55 - .57
Western hemisphere, bgs.lb. .58 - .60
refined, yellow, bricks, bgs., lb. .60 - .62
slabs, cs.....lb. .59 - .61
Candelilla, crude, bgs.....lb. .78 - .86
refined, bgs.....lb. .80 - .82
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 60 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.66 - 1.70
North Country, No. 2, bgs., ton lots..lb. 1.76 - 1.78
No. 3, bgs., ton lots.....lb. 1.70 - 1.72
refined, bgs., ton lots.....lb. 1.84 - 1.86
yellow, No. 1, bgs., ton lots. lb. 2.00 - 2.04
No. 2, bgs., ton lots.....lb. 1.98 - 2.02
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13⅛
138°-140° m.p., bgs.....lb. .15 - —
168°-162° m.p., bgs.....lb. .19 - .20
Japan, bgs. .....lb. No stocks
Wax, microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly contract, group 3, works..lb. .14¼- —
smaller lots, same basis.. lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
170°-175°, black, smaller lots, same basis..lb. .13 - .14
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis.. lb. .26 - .26
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis. lb. .16½- .17½
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller ctns., same basis. lb. .15 - .16
white, ctns., 30 tons, same basis..lb. .28¾- —
smaller lots, same basis. lb. .29 - .30
Montan, bgs.. .....lb. .53 - .55
Ouricury, crude, bgs., ton lots. lb. .95 - .97
refined, bgs., ton lots.....lb. 1.05 - 1.07
Powdered ouricury prices same as powdered candelilla.
Ozokerite, dom., 180-190 F., c.l. lb. .36 - —
152-155 F., bgs., c.l.....lb. .31 - —
171-172 F., bgs., c.l.....lb. .27 - —
Spermaceti, blocks, cs.....lb. .28 - .31
cakes, cs.....lb. .29 - .32
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, ronsed, bls..lb. .17 - .19
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, N.E., works..ton. 6.00 - —
smaller lots, N.E., works. ton. 7.00 - 9.00
wet-grd., air-coated, 325 mesh, 99½%, bgs., c.l..ton. 9.35 -10.10
200 mesh, 99½%, bgs., c.l. ton. 8.00 - 9.50
90%, bgs., c.l.....ton. 6.75 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .18 - .20
rossed, green, bls.....lb. .24 - .26
Wild indigo root, bls.....lb. .22 - .25
Witch-hazel leaves, bls.....lb. .20 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
Woodflour, 80 mesh, same basis. ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .27
Levant, bgs. ..lb. 4.25 - 4.30
Wormwood, bls. .....lb. .50 - .60

X

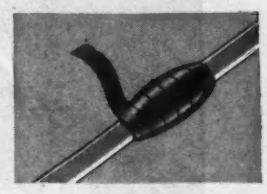
Xanthorrhiza, bls. .....lb. .28 - .30
Xylidin, mixed, dms.....lb. .35 - .38
Xylene (see Xylol).

Problem— To protect sharpened tools while in crib or not in use, to keep them sharp and reduce sharpening time.

Solution—Before returning tools to crib, strips of Self-Stik Mystik are placed quickly and easily on sharp edges.

Problem— To hold loose trays and parts in a refrigerator from assembly line to final customer, eliminate damage, scratches.

Solution—Mystik Self-Stik Paper Tape is fastest, easiest way to tape parts in place; peels off clean.



Problem—To make all kinds of electrical repairs on cable, wiring, connections, etc. with greater speed and permanency.

Solution—Mystik Self-Stik Waterproof Cloth Tape is stronger, applies faster, makes smaller splices, holds better, gives greater protection from abrasion, moisture. Cleaner to handle.

Methods *by Mystik*

Problem—To protect asbestos pipe insulation on pipes from moisture, dirt and other destructive elements.
Solution—Wrapping with Mystik Self-Stik Cloth Tape forms permanent moisture barrier. Protects and preserves insulation and assures its efficiency.

● Are you looking for faster, better, cost-cutting *methods* in your plant? Are you time-studying every operation for greater efficiency? If so, you'll find Mystik Self-Stik Products open up entirely new possibilities for better ways to do hundreds of jobs in all departments of your business.

Mystik comes in many forms—MYSTIK SELF-STIK TAPE, cloth or paper, up to 36" wide—MYSTIK MASK, a reinforced paper material for protecting fine surfaces—MYSTIK SPRA-MASK, a fast method for stencil spray-painting designs and insignia—MYSTIK SAND BLAST, a protective covering for sand blasting glass—MYSTIK DRI-PIPE, an insulation to stop pipe drip—MYSTIK-PRINT, for Self-Stik labels and signs.

FREE *— Send for Mystik samples and interesting new booklet showing how Methods by Mystik can cut costs in your plant. Mail coupon to—Mystik Adhesive Products, 2639 N. Kildare, Chicago 39. Sales offices in major cities. Export office, New York City. Canada — G. A. Moggridge Co., Ltd., St. Catharines, Ont.*

Mystik Adhesive Products, 2639 N. Kildare, Chicago 39.
SEND *FREE* BOOKLET AND FOLLOWING SAMPLES:

☐ Mystik Cloth Tape; ☐ Mystik Waterproof Cloth Tape;
☐ Mystik Mask; ☐ Mystik Spra-Mask; ☐ Mystik Sand Blast;
☐ Mystik Paper Masking Tape; ☐ Mystik Dri-Pipe; ☐ Mystik-Print.

Name _____ Title _____
Company _____
Address _____

MYSTIK
ADHESIVE PRODUCTS
"ANYTHING THAT STICKS"

Xylol (xylene), indust., ret. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
10°, ret. dms., works.....gal. .30 - —
tanks, E. of Omaha, frt. alld. gal. .25 - —
5°, ret. dms., works.....gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .32 - —
9°, ret. dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld. gal. .37 - —

Y

Yara yara, cryst., bots., cns..lb 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
800 B units, dms .....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St Paul..lb. .32 - —

Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.

Benzidin, bbls. dlvd.....lb. 1.35 - 2.25
Cadmium, lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .55 - .80
Los Angeles and San Francisco, ex whse., 1c. per lb. higher.

Yellow, chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .18¾- —

Chrome, CP, bbls., dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .09 - 11
Hansa, bbls., same basis as chrome..lb. 1.37 - 1.48
primrose, bbls., same basis.lb. 1.75 - 1.90
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa..lb. .04¼- —
l.c.l., same basis.....lb. .05 - —
synthetic, bbls., c.l., works. lb. .0685- —
l.c.l., works.....lb. .0710- —
Mercury oxide, bbls., 1,000 lbs. lb. 2.48 - —
smaller lots.....lb 2.45 - —
Ocher, American, golden, bbls., works..lb. .04¼- .05¼
yellow, bbls., works.....lb. .02 - .02¼
French type, bbls., c.l.....lb. .0945- —
l.c.l. .....lb. .0965- —
Persian orange (see O).
Zinc, bbls., same basis as chrome..lb. .16 - —
Navy spec. type, bbls., contract..lb. .16 - —
Yellow dock root, bls.....lb. .38 - .40
Yellow xanthorrhiza (see Xanthorrhiza).

Yerba santa leaves, bls.....lb. .30 - .32
Yohimbine hydrochlorides, vis..oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works...lb. .25 - —
smaller lots, bgs.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd..lb. .16 - .17
USP, bbls. .....lb. .26 - .27
kgs. .....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .12¾
l.c.l., same basis.....lb. .12¾- .13½
Borate, bgs., c.l.....lb. .13 - —
Carbonate, tech., rubber-makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
solution, 50%, dms., c.l., works..lb. .0315- —
l.c.l., works.....lb. .04¼- .04¾
tanks, works.....lb. .0250- —
USP, dms. .....lb. .30 - .31
jars .....lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs. works.....lb. .33 - .37
Dust,[6] bbls., c.l., dlvd.....lb. .1035- —
l.c.l., works .....lb. .1135- —
Fluoride, bbls .....lb. .25 - .30
Hydrosulphite, dms., works..lb. .16 - —
Iodide, NF, bots.....lb. 4.68 - 4.75
jars .....lb 4.40 - —
Laurate, bbls.....lb. .32 .36
Zinc, metal,[1] (quotations in Protective Coatings market). Sup... ...% Zn, dms. lb. .16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd. .....lb. .07½- —
American process, com'l, lead-free, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd. .....lb. .07½- —
leaded, 5%, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd. .....lb. .07¾- —
35% or more, bgs., c.l., dlvd..lb. .07 - —
l.c.l., dlvd. .....lb. .07¼- —
50%, bgs., c.l., dlvd.lb. .07 - —
l.c.l. .....lb. .07¼- —
French process, com'l, lead-free, bgs., c.l., dlvd..lb. .08½- —
l.c.l., dlvd. .....lb. .08¾- —
green seal, bgs., c.l., dlvd..lb. .09 - —
l.c.l., dlvd. .....lb. .09¼- —
white seal, bgs., c.l., dlvd..lb. .09½- —
l.c.l., dlvd. .....lb. .09¾- —
red seal, bgs., c.l., dlvd..lb. .08½- —
l.c.l. .....lb. .08¾- —
USP, ctns., c.l.....lb. .10½- —
l.c.l. .....lb. .10¾- —
Zinc oxide Pac. Coast prices ½c. higher, bbl. prices ¼c. higher than bgs.
Resinate, fused, 1% Zn, lump
precipitated, 8.40% to 9% Zn. powd., dms..lb 18 - —
Silicofluoride, bbls .....lb .15 - .16
Stearate, tech., ctns., 2,000 smaller lots, same basis.lb. .34½- —
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld..100 lbs. 3.40 - —
l.c.l., same basis...100 lbs. 4.15 - —
flaks, bgs., c.l., same basis. 100 lbs. 3.80 - —
l.c.l., same basis....100 lbs. 4.55 - —
powd., bgs., c.l., same basis. 100 lbs. 5.35 - —
l.c.l., same basis....100 lbs. 6.10 - —
Zinc sulphate in bbls. 25c higher
Sulphide,[1] pure, bgs., c.l., dlvd. lb. .0840- —
l.c.l., dlvd. .....lb. .0965- —
Barium pigment,[1] bgs., c.l., dlvd..lb. .0675- —
l.c.l., dlvd. .....lb. .09 - —
Calcium pigment,[1] bgs., c.l., dlvd..lb. .0675- —
l.c.l., dlvd. .....lb. .0909- —
Fluorescent pigment,[1] works, frt. alld..lb. 1.00 - 3.00
Magnesium pigment,[1] bgs., c.l., dlvd..lb. .0590- —
l.c.l., dlvd. .....lb. .0615- —
Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.
Sulphocarbolate, NF, gran., bbls., dms..lb. .26 - .30
Sulphoxylate formaldehyde, basic, dms., works, frt. alld..lb. .17 - —
normal, dms., works, frt. alld..lb. .25 - —
Tallate, 5% Zn, dms.....lb. .09¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride, dms., c.l., works100 lbs. 5.65 - —
l.c.l., works.....100 lbs. 6.70 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld..lb. 2.60 - 2.80
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. E. of Rockies. lb. .06¼- —
Pac. cst.....lb. .06½- —
ex whse., Pac. cst....lb. .07 - —
Zirconium acetate, solut., bbls., works..lb. .23½- —
Hydride, cns., works.....lb. 7.00 - 8.00
Nitrate, bgs., works.....lb. 3.00 - 4.00
Oxide, 68%, grd., bbls., c.l., works..lb. .23½- —
l.c.l. .....lb. .25½- —
white, 98½%-99%, grd., kgs., works..lb. .80 - —
milled, electric, fused, 2,000-9,999 lbs., works.lb. .40 - —
500 lbs. and less, same basis..lb. .49 - —
Oxychloride, crust., bbls., 5 tons, works..lb. .20½- —
Sulphate, basic, cake, bbls., c.l., works..lb. .13 - —
l.c.l., works .....lb. .13½- .20
smaller lots, works..lb. .30 - .31½

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Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the Oct. 7 issue of OPD.

Carbon Tetrachloride Use Discussed in Safety Folder

Information for foremen on the safe use of carbon tetrachloride is available in a folder issued by Safety Research Institute, 420 Lexington avenue, New York 17. The folder entitled "How to Use Carbon Tetrachloride Safely: Tips to the Foreman," gives information on the proper handling and storage of this solvent and directions for first aid in case of accident.

McCormick & Co. Opens Mexico Office

McCormick & Co., spices, extracts and insecticides, Baltimore, has opened a branch office in Mexico. Thomas B. Catron, who has been appointed a vice-president of McCormick's subsidiary for foreign operations, will be in charge of the new office.

Primary Magnesium Output Down 79%

Output of primary magnesium, totaled 32,792 tons in 1945, a 79 percent decline from the 157,100 tons produced in 1944, according to the Bureau of Mines. In 1943 the total was 183,584 tons compared with 48,963 tons in 1942 and 16,295 tons in 1941.

OPD—10-14-1946 39

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Volume 150 | October 14, 1946 | Number 16

Too Much—Too Soon

A charter for an International Trade Organization of the United Nations has been suggested by the United States Department of State.

This suggested charter purposes, in general, to promote national and international action for the expansion of the production, exchange and consumption of goods, to reduce tariffs and other trade barriers, and to eliminate all forms of discriminatory treatment and maintenance of high levels of employment and real income in all countries, and to the creation of economic conditions conducive to the maintenance of world peace.

That the suggested charter, condensed in a 9 x 6 booklet of 47 pages, is the work of many persons of competence and experience in the departments and agencies of the government cannot be denied. But, upon reading the general purposes of the organization the impression conveyed is that it offers—Too Much, Too Soon!

A Preparatory Committee of nineteen countries, with each member having one vote, and which committee was created through a resolution adopted by the Economic and Social Council of the United Nations, will meet in London shortly to draft a charter for such an International Trade Organization. It is to be hoped that from this meeting will come clarification of certain obscurities to which the condensed language of the suggested charter has given rise, such as Article 12, paragraph 2A, dealing with tariff valuations which reads.

"The value for duty purposes of imported products should be based on the actual value of the kind of imported merchandise on which duty is assessed, or the nearest ascertainable equivalent of such value, and should not be based on the value of products of national origin or on arbitrary or flictitious valuations."

Inasmuch as this suggested charter has been presented as a basis for public discussion, particularly after the London meeting, of the Preparatory Committee. it is hoped that the obscurity in Article 12, paragraph 2A will be so clarified as to answer the obvious query: Will the American selling price be treated "as an arbitrary or fictitious valuation"?

Thought should also be given to a complete understanding of paragraph 3 in Article 45 covering principles governing the institution of intergovernmental commodity agreements, a paragraph which reads:

"Intergovernmental commodity agreement involving the regulation of production, trade or prices in respect of other than primary products shall not be resorted to unless the organization finds that exceptional circumstances justify such action. Such agreement shall be subject to the principles set forth in this chapter, and, in addition, to any other requirements which the organization may establish."

—O-P-D—

Paint Reunion

Reunion is one of the most satisfying human events, both in anticipation and realization and no matter whether it be sad or gay. That great American institution—the annual convention—is the ultimate expression of this spirit, rivalling even the fabulous college reunions and giving to all elements of our national life a thrill that comes once a year. The synthetic substitutes of the war years, known as conventions-at-home, were patriotic but pallid excuses for the real thing, but now program and entertainment committees have again swung into action and the sound of the chairman's gavel is heard throughout the land. The reassemblage of the paint clans in Atlantic City next month after five years should be a wonderful affair!

The time is near at hand to stop pounding that office desk and crying aloud that some bureaucrat is a stupid, obstinate so-and-so. Change the connotation of the epithet as you wander down the hotel corridors, and emit an affectionate ejaculation: "Charlie Whoosis, you old so-and-so, you're a sight for sore eyes!" Take his arm. Do what comes naturally . . steer an instinctive course for a certain room where the presence of fusel oil in the likker produces a headache far more tolerable than the cranial pains caused by the lack of linseed and castor oil. Oily tears can be dried and leaden spirits can be lifted as you mingle with hundreds of others whose immediate problems are as sad as your own, but whose pride is as yours in the miraculous wartime achievements of your industry which most certainly will be recounted by the program speakers.

Keynote of the last session at Chicago in 1941—but a few short weeks before Pearl Harbor—was that the only certainty of that day was promise of continuing change affecting raw materials, manufacturing methods, distributive processes. And how those changes continued! How they are still going on! What to do about them? That most certainly will be the dominant question at Atlantic City, but whatever the weight of current and future problems they will be measurably lifted by the spirit of reunion.

—O-P-D—

Metric System

The American Institute of Weights and Measures recently queried 600 former members of the institute to ascertain what changes if any there might have been in their views in respect of adaption of the metric system in the United States, either by constraint or by choice

The list was in the main of manufacturers of a wide variety of products such as pumps, gears, chains, tools, locomotives and in general manufacturers of iron and steel. The question was as follows:

(1) Do you believe that compulsory adoption of the metric system in United States would be industrially disastrous? (2) Do you think that voluntary adoption of the metric system in United States would be industrially disastrous? (3) Do you think that voluntary adoption would lead to improvement in your business? (4) Do you believe that extension of the use of the metric system would lead to troublesome confusion?

Seventy percent of the answers received agreed that compulsory adoption of the metric system would be disastrous. Eighty-seven percent were of the opinion that voluntary introduction would lead to no improvement in their business. This is clearly a reason why the metric usage continues to be used so little outside of scientific laboratories. Seventy-six percent were of the opinion that extension of use of the metric system would lead to troublesome confusion.

OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

On Cultivation of Flax Crop

Editor,
OIL, PAINT AND DRUG REPORTER.

Sir:—

It is a sad commentary on the economic state of the world when practically every basic oil-bearing crop must be produced with peon or vassal labor or protected by a high tariff wall in countries where the scale of living is to any degree comparable with that of the United States.

It is estimated that the flax crop of the United States will only produce 350,000,000 pounds of linseed oil, which is about a third of the expected needs for the 1946-1947 crop year.

When the war college decided that flaxseed and its products were basic war materials, the industry immediately opened up a long-range program to improve the crop, find out why it was in disrepute with the farmers, and see what could be done to place the production of flax on an economic basis where it would not have to hide behind the skirts of a protective tariff, as all oil bearing crops must do.

This was an ambitious program—actually instituted in 1936—and only now are the first fruits of the concentrated campaign being realized.

The first charge that flax was a "bad boy" and a crop not suited to our economy was pretty well refuted by the agronomists and extension school experts working hand in hand with the Flax Institute to produce a seed that was wilt and rust resistant. Progress in this work was of necessity slow, but comparison of present day flax seed varieties with those of 10 years back show definite advancement.

The prospective flax producer was limited to only a few kinds of seed in 1936, many of them of unproven worth and production of flaxseed was virtually on a "sod-breaking" basis until the improved varieties were produced and accepted by farmers.

The charge that flax was a dirty crop was met at every turn, so the agronomists connected with the Flax Institute started a series of studies to determine what could be done about the matter.

In the first place, it was found that weed infestation was general all over the country and the only reason that weed seeds did not appear in the marketings from other crops was that the seeds dropped to the ground before harvest, thereby setting the scene for another huge weed crop the following season.

Corn and beans are probably the worst offenders in this cycle, it being impossible to work either of the crops after they had been "laid by." The weeds grew freely and luxuriantly in the corn and bean fields and, for this reason it was suggested that proper methods to control weeds be instituted.

The Flax Institute has been and is on an aggressive campaign against weeds, urging August plowing and harrowing to bring latent weed seeds into being before the Fall frosts, at which time they were frozen out.

The success of this weed-killing program was realized in the market place as crusher buyers of the actual flaxseed found that they were handling less and less dockage (weed seeds and foreign grains) and more and more actual flaxseed.

At one time it was not surprising to find 25 percent to 30 percent dockage in a car of flax, but during the past few years this situation has iimproved materially and dockage figures are on the way down, approximately 10 percent to 12 per cent in the 1946 crop.

Government insurance programs on flax, wheat, and other grains were instituted in 1944 and proved a clinching argument in favor of flaxseed, for during the two years of flax crop insurance, despite freezes, poor weather, and other disasters, the government's figures indicated that the flax crop insurance was the only one profitable to the government.

It is estimated that the net proceeds from the flax insurance in the form of actual profits was around $3,000,000 in the two years, offsetting modest payments to encourage flax production.

Flax in the past two years has proven to be the Number One Cash Crop in Minnesota and South Dakota, and it is only second to wheat in the wheat producing state of North Dakota.

The reason that flax has assumed this important position in the economy of the Northwest is that by proper education, aggressive leadership, and combination of the talents of the agronomists, producers and the commercial interest that ultimately prepares the flax for consumer use, flax has been placed on a business-like basis.

RAYMOND N. JOHNSON,
Agronomist, Flax Institute of U.S.

Washington Talks It Over

—Continued from page 5

of many committee chairmenships along with the prestige that goes with them. They are obtainable only by seniority and not by merit and members holding these offices are protesting against having to give them up.

Another feature of the reform program that is meeting objections is its plan for elimination of "pork-barrel" appropriations and curbing unrestricted spending. This would be accomplished by the appropriations and taxing committees meeting jointly early in the session and setting a limit on the spending. Everytime a bill came up that exceeded this limit, members would have to pass on it by a roll call vote, thus putting themselves in position of voting against economy and for higher taxes.

On Competing Costs

The large number of petitions that were expected to be filed by industry with the OPA for price ceiling adjustments under the so-called Barkley amendment—that is the provision of the new price law establishing a new base period for computing costs—hasn't materialized. And what is equally surprising is that no one expects now that there will be very many filed

There are several reasons for this situation: — (1) the requirement that the petitioning industry advisory committee file comprehensive cost data to support their request for a price increase and (2) it takes a long time to get such data and the committee's don't have any funds to engage in this work.

But the main reason is more basic than that. The big companies almost without exception will not disclose their cost data to the committees, because it means that they would be disclosing this to their competitors. It's enough to have to give this information to the OPA without having to give it to their competitors, they declare.

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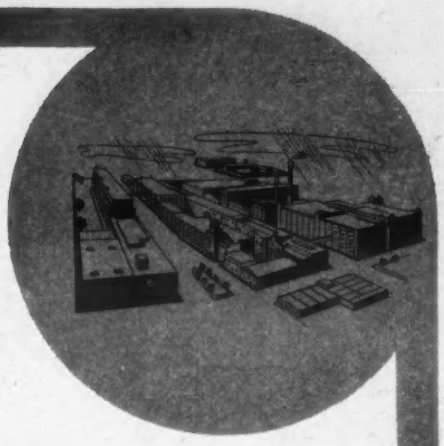

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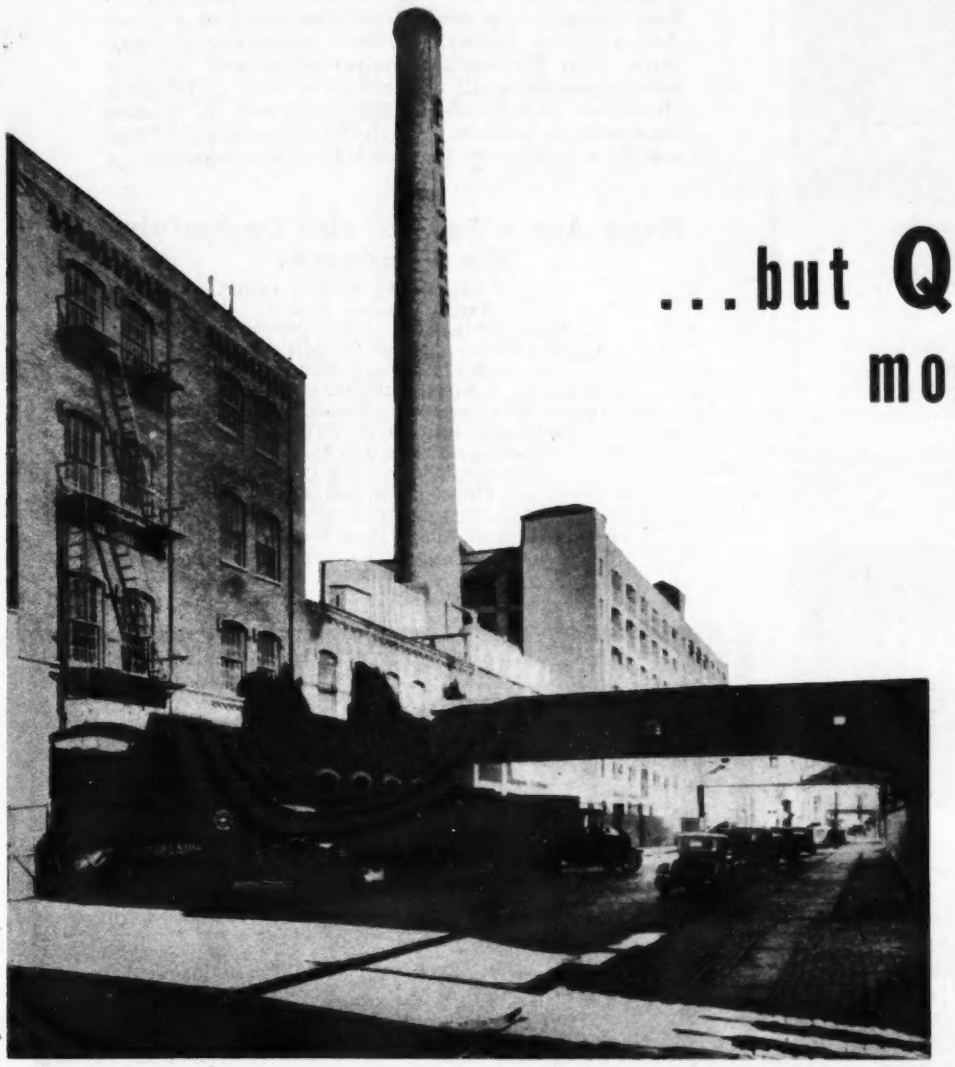

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Heavy Chemicals

Serious cutbacks in production at the leather and soap plants, combined with the irregularity current in automobile output have resulted in sporadic buying of chemicals essential to these industries. So far, there has been little evidence of any backing up of supplies although there are possibilities that easement may develop by the end of the year. In other directions there was no slowing down of demand. Caustic soda, chlorine and soda ash remained as tight as at any time this year. Appeals for higher prices for these chemicals are being considered by OPA and the agency has asked for more detailed data regarding costs. Demand for the basic alkali chemicals as well as for the derivatives continued heavy with constant pressure for shipments.

Distribution of nickel sulphate has improved since the turn of the month. One large producer is swinging into greater capacity and the outlook is better for a more evenly balanced market. Copper sulphate continued to move for agriculture and many farmers are laying in stocks for next season's crops in order to avert any possible future bottlenecks that might develop. Carbonate, hydrate and other copper chemicals have been sold at prices prevailing at time of shipment. Although zinc sulphate is heavily booked for the rayon mills, some suppliers expressed the opinion that stocks may eventually increase with the passing of the season's agricultural demand. The largest producer of oxalic acid is renewing contracts at the recent price advance, but is not considering new business at the present time. Buying conditions have tightened in muriatic, nitric and sulphuric acids, the markets reflecting the pressure for shipments resulting from the continued strike-bound situation at the plants of a major producer. Demand for formic acid is still running high over production.

Output of defluorinated phosphate rock is gradually being resumed after a suspension of several weeks owing to a removal of the producer's plant from Pennsylvania to Florida. Chlorate of potash has reversed its position and is now in tighter supply than chlorate of soda. Bleaching powder stocks have declined sharply with some of the largest producers entirely sold over the last quarter.

Paper production as a percentage of six-day capacity was 107.2 in the week ending October 4, according to the American Paper and Pulp Association. This compares with 106.6 the previous week and 94.1 percent a year ago.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
172.2	172.2	171.8	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see Page 9)

Ammonia Aqua—Heavy demand has continued to feature this market. Production has met most essential requirements although the constant demand for deliveries has prevented any increase in inventories. About the best that can be said is that consumers are receiving shipments on a fairly prompt basis.

Antimony Oxide — Producers are meeting allocations without difficulty at former prices. Supplies are not free and there is relatively little stock to supply an active export demand, although it was reported that some licenses have been issued for small quantities.

Bleaching Powder—Available supplies have been appreciably reduced with some producers entirely sold ahead for the remainder of the year. Export shipments have been restricted by the current shortage and the maritime strike.

Chlorine—Application for an increase in the maximum price of more than the 5 percent, granted last month, has met with consideration by OPA but announcement of any advance has been withheld until the industry advisory committee presents more data regarding costs of production. The market position has remained tight with demand ahead of output and the container shortage delaying shipments from works.

Copper Hydrate — Production has been kept down by the scarcity of basic materials. This chemical as well as carbonate and chloride of copper are being booked at prices current at time of shipment.

Copper Sulphate—While stocks have increased, demand has kept the stockpile from expanding rapidly. Buying for agricultural use next year has been on a broader scale than usual. Improvement in export trade is expected shortly. Costa Rica's imports of copper sulphate from the United States in 1945 were valued at $343,967, and in 1944, at $371,816, according to Costa Rican Government statistics.

Defluorinated Phosphate Rock—Production has been resumed by one of the major producers after a period of inactivity as a result of plant removal. Output has not attained capacity but is gradually being increased. The exceedingly short supply of bone meal has stimulated buying interest in phosphate for feeding purposes. Shipments are being allocated by the producer to assure an equitable distribution. There are no inventories at present and demand is being fed from current production.

Lime—Amendment 67 has been added to order number one, under section 25 MPR number 592 by OPA to increase by $1 per net ton the ceiling prices for building, chemical and industrial lime produced in the area west of the Rocky Mountains. The action became effective October 12, 1946, and extends to this area the increase of $1 per net ton granted producers east of the Rocky Mountains on July 26, 1946. It is necessary, OPA said, in order to restore western area manufacturers' current earnings to base period levels. Resellers, as required by the law, are permitted to maintain their percentage mark-ups by adding 1.5c. per net ton to their maximum prices for each 1c. per net ton increase allowed their supplying producer.

Manganese Dioxide—Buyers have not experienced much difficulty in securing prompt shipments of this chemical. Inventories appeared to be sustained at a satisfactory level while inquiry from the match, battery and other consuming industries measured well up to seasonal expectations.

Nickel Sulphate—Distribution of this chemical has shown improvement since the turn of the month and some stock was available for prompt shipment last week. One of the major producers, while still behind on deliveries is getting better plant capacity and expects to be on even beam by the end of the year. Demand, while active, did not seem to be of an urgent character with buying showing more irregularity from the automobile factories. Deliveries of nickel chloride were behind schedule. Nickel oxide stocks were capable of meeting requirements at present.

Potash Carbonate — Top-heavy demand has prevented any improvement in the supply situation. The glass factories are calling for more material than usual, the demand more than neutralizing the decline for soap use. Deliveries are behind schedule with the market definitely tight.

Potash Caustic—About in the same market condition as carbonate only demand covers a wider consuming field. This is one of the strongest alkalies produced. The glass trade has taken a lot of this material and so have the manufacturers of anilin dyes, chemicals and pharmaceuticals. At present both the solid and liquid grades are in exceedingly scarce supply, the solid being tighter than the liquid.

Potash Chlorate — No improvement in market conditions could be noted last week. Consuming demand has run

For Late Market Developments, See Page 4

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further ahead of production and the supply situation has steadily grown tighter. Arrivals of 550 drums from Antwerp were recorded during the week.

Soda Ash—Market position continued exceedingly tight and firm with demand heavy. Up to this time OPA has not revealed its policy in reference to an upward revision of prices, but the agency has asked producers to submit further data in reference to costs. Recent granting of priority shipments by CPA to aluminum plants has tended to disrupt the shipment program.

Soda, Caustic—In about the same position as to supply as soda ash. Consuming demand is above production and the market is exceedingly tight. Possibilities regarding an advance in prices are being considered by OPA at the present time.

Soda Chlorate—Shipments have kept supplies down and prevented any easement in buying conditions. This chemical, however, is not as short as chlorate of potash, which is quite the reverse of the situation a few weeks back. The largest deliveries have been made for weed-killing purposes.

Tin—Tin allocations totalling 18,055 tons have been recommended by the combined tin committee for the second half of 1946. Most of the allocations are on an interim basis, the committee stated, with a further review of the tin situation probable in early November. Allocations for the first six months of 1946 totalled about 25,000 tons. The committee stated that the tin will come from Belgian, British or Dutch sources, plus some from South Africa and also from Japanese stocks held in the United States. For the Latin American countries, however, the United States is an additional source for very limited quantities and supplies will also be available to France from French Indo-China. The Japanese stocks were discovered by military occupation forces and shipped to the United States for inspection and sorting prior to the allocation by the combined tin committee.

Acids

Chromic—Demand for plating use has continued ahead of supply. Shipments are said to be running closer to schedule, but the market situation is described as tight.

Hydrofluosilicic — Supplies of this acid are sufficient to accommodate prompt shipments. The main difficulty has been in securing containers. Demand from the breweries and chrome platers has continued fairly active.

Muriatic—Stocks are not as free as a month ago owing to cutback production. Regular consumers have received shipments, but supplies are not free for additional requirements.

Naphthenic—Not in free supply although deliveries have been made on a fairly prompt basis. The paint industry has shown moderate interest.

Oxalic—No appreciable change in the market situation was reported. Shipments have been delayed as a result of repairs, strikes and other difficulties and little progress has been made in restoring the market to a balanced condition. Demand has been steadily increasing which has contributed to the market's tight position at present.

Sulphuric—Recent buying has reduced inventories and tightened the supply position in this area. There seemed to be no pronounced shortage of small lots, but there were not many tankcars available for prompt shipment. It was stated that a lot of acid has been purchased for superphosphate use and that a large part of production is under contract to acidulators. Export demand for high test material was active with the movement restricted by the maritime strike. According to Baltimore advices, there was no apparent scarcity of material at that point.

Baltimore, Oct. 11.—Production of sulphuric acid goes on as usual, with no changes made either in the ceilings or in any other way, unless it is that acid-making materials continue very firm or higher, and that other factors in production are the same. The ceilings stand at the variations allotted to the manufacturers, with the differences not so wide as to suggest modifications and with the silence as to a proposal for uni-

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Mineral Deposits Data Available

Results of Bureau of Mines investigations of mineral deposits or mines in different sections of the United States are described in four separate publications now available for general distribution. Publication of the reports was not feasible during the war, and they are now being made available to the public and minerals industries. The four reports deal with copper, brown iron ore, mercury and corundum and are as follows:—

Report of Investigations 3914, "Exploration of the Copper Butte Mine, Mineral Creek Mining District, Pinal County, Ariz.," which relates the bureau's work on this property by diamond drilling during 1944 and 1945.

Report of Investigations 3894, "Exploration of Tailing Ponds in the Russellville, Ala., Brown-Ore District" describes drilling operations conducted in four large tailing ponds in this property to obtain samples of brown iron ore. All ore specimens were analyzed for iron content, and the results of the analyses are given in the publication.

Report of Investigations 3926, "Exploration of Glass Buttes Mercury Deposit, Lake County, Oregon," which tells of the bureau's inspection of the prospect openings on this Oregon deposit in August, 1945.

Report of Investigations 3895, "Exploration of the Blue Metal Corundum Property, Douglas County, Nev.," an account of an intensive exploration project undertaken at the property to discover new sources of this valuable abrasive material.

A copy of any of the above publications may be obtained free from the Bureau of Mines, Department of the Interior, Washington 25, D. C. The publication or publications desired should be identified by name and number.

Texas Fluorspar Deposits

A preliminary report on the Rocky Ridge fluorspar deposits, Eagle Mountains, Hudspeth County, Tex., has been released by the Geological Survey.

In these deposits, fluorspar occurs as fissure veins and as replacement deposits in limestone and rhyolite. The replacement bodies are highly siliceous, granular masses containing high-grade and low-grade zones. Quartz and calcite are the only minerals associated with the fluorite. A large-scale geologic and topographic map was prepared to aid in apprising the deposits and to facilitate an exploratory program conducted by the Bureau of Mines.

The report and accompanying maps on the Rocky Ridge fluorspar deposits have been released as Preliminary Maps 3-202 of the Strategic Minerals Investigations series. Only a limited edition of this report is available. Copies may be obtained from the Director, Geological Survey, Washington 25, D. C.

Iowa Lead-Zinc Area

A preliminary report on the Center Grove-Pikes Peak lead-zinc area of Dubuque County, Iowa, has been released by the Geological Survey.

The Center Grove-Pikes Peak area is approximately half a mile west of the city limits of Dubuque in the extreme southwestern part of the Upper Mississippi Valley lead-zinc district. Most of the exploration and development in the area has been limited to the upper 130 feet of Galena dolomite, known to contain local deposits of lead and zinc ore. Additional exploration in the lower 125 feet of Galena, and in the uppermost beds of the Platteville limestone beneath, is warranted to determine whether sizable ore bodies exist here in these deeper beds as they do in other parts of the Upper Mississippi Valley district.

The results of the investigation have been published on a map showing the areal extent of the rocks in which the lead and zinc occur, the regional structure, and the location of the mines and ore-bearing crevices. Accompanying the map is a brief.

Copies of the text and the accompanying map are now available as Preliminary Map 3-203, Strategic Minerals Investigations series, and may be obtained by persons directly interested in the area upon application to the Director, Geological Survey, Washington 25, D. C.

A preliminary report on the Udall copper mine, Wolcott, Vt., has been released for public inspection in advance of publication.

The report is based on a brief examination in 1943 of the surface geology of the mine as part of a wartime program of investigation of copper deposits of Vermont. It is accompanied by a sketch map showing surface workings and outcrops in the vicinity of the deposit. Although the report is not available for distribution, persons interested in the deposit may inspect it in the open files of the Geological Survey at 4208 Federal Works Agency building, Washington 25, D. C., and at the office of the Vermont State Geologist, State Department of Natural Resources, University of Vermont, Burlington, Vt.

Evans Golden Amber, Inc., has been organized in New York to deal in perfumes and cosmetics.

Johaneson, Wales & Sparre Organizes Swedish Firm

Johaneson, Wales & Sparre, Inc., New York, announces the formation of A. B. Johaneson, Wales & Sparre to effect a consolidation of its Swedish interests in the export and import of chemicals. Offices of the new firm will be in Stockholm.

American Key Products Moves to New Quarters

American Key Products, Inc., New York, domestic and imported dextrins, starches and other sizing materials has moved its offices to larger quarters at 15 Park Row. New telephones: Barclay 7-2432 and Worth 2-2517.

N.Y. Chemical Engineers to Meet

The New York section of the American Institute of Chemical Engineers will hold a meeting in the Pennsylvania hotel, October 17. The meeting will be featured by a symposium on instrumentation and process control.

Piedmont Textile Chemists to Meet

The Piedmont section of the American Association of Textile Chemists and Colorists will hold its fall meeting in Charlotte, N. C., October 26. Election of officers and reports covering the past year will constitute the main portion of the business meeting. Dean Emeritus Dr. D. W. Daniel will be the guest speaker at the annual dinner. His topic will be "The Looking Glass."

Queeny Authors Second Book

Edgar M. Queeny, chairman of the board of Monsanto Chemical Company, St. Louis, and author of the 1943 best-seller on economics "Spirit of Enterprise," has completed "Prairie Wings," a pen and camera study of waterfowl flight. The book is being published in a limited edition by Ducks Unlimited, Inc., a non-profit organization of American sportsmen interested in restoring North American waterfowl, which will receive all profits from sales.

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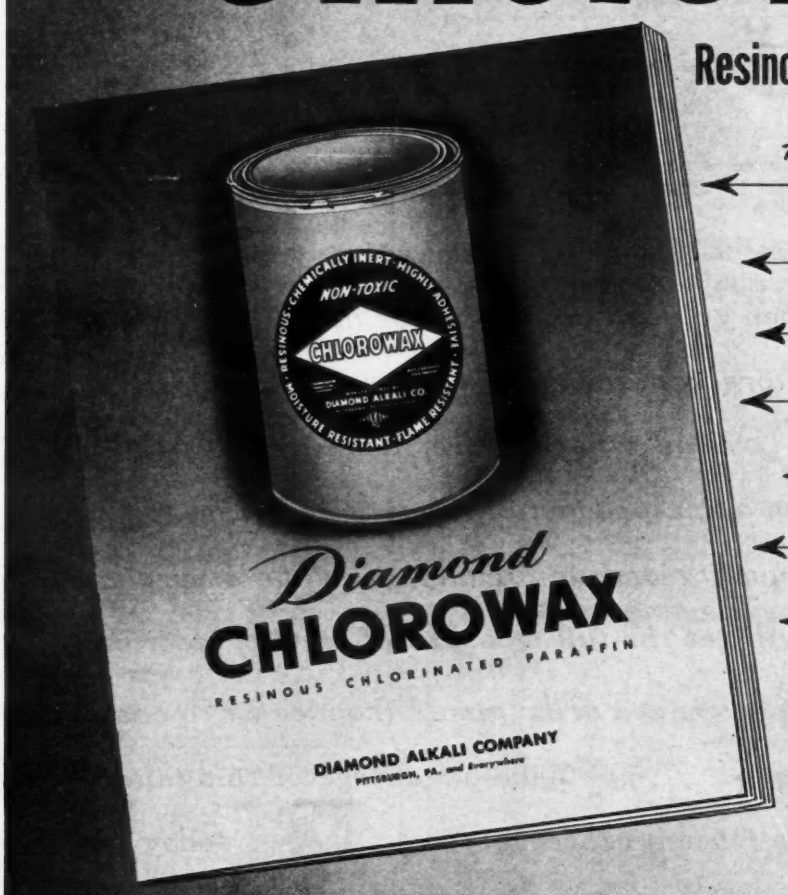

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Smith Gets du Pont Paint Post in Pitts.

Frank P. Smith has been appointed a sales engineer in the Cleveland region by E. I. du Pont de Nemours & Co., Wilmington, Del. After November 1, his office will be located at 601 East Robinson street, Pittsburgh. He will serve the clientele formerly served by W. J. Bradley for the du Pont finishes division.

Since his return a year ago from duty with the Navy, Mr. Smith had worked in the Philadelphia area. During the war he was supervisor of the paint laboratory of the U. S. Naval Air Experimental Station there.

Eagle-Picher Buys East Chicago, Ind., Plant

The Eagle-Picher Company, Cincinnati, has acquired the East Chicago, Ind., plant of International Smelting & Refining Company, a subsidiary of the Anaconda Copper Mining Company.

This newly acquired Eagle-Picher property includes an extensive group of buildings centering around the lead refinery operations, the manufacturing of zinc oxides, and the electrolytic process of making white lead. Warehousing facilities are provided for each of the above operations.

On the 37-acre site of the East Chicago plant are also erected a general laboratory, maintenance shop, carpenters' shop, mess hall, garage, bag and barrel houses, as well as tanks for storing linseed oil and turpentine. Behind the modern administration building at 151st and McCook avenue are a paint testing laboratory and a ceramic laboratory.

Bakelite Corp. Buys Ottawa, Ill., Plant Site

Bakelite Corporation, unit of Union Carbide and Carbon Corporation, has announced that license has been granted by the Civilian Production Administration to start construction on the recently acquired property at Ottawa, Ill.

The plant will be located on a 120-acre tract, adjacent to the western city border to Ottawa, bordered on the south by arterial highway, U. S. No. 6, and on the north by a bluff. The manufacturing building will cover 135,000 square feet of ground and will include six bays for the production of vinylite plastic film and sheeting and one complete pressing unit for the production of vinylite plastic rigid sheets.

Berkeley Chemical Names Milano President

The Berkeley Chemical Corporation, organic and pharmaceutical chemical manufacturer, Berkeley Heights, N. J., has elected Robert J. Milano president. Other new officers are:—Vice-president, A. A. Cole; secretary, Jerome F. McGinty, and treasurer, Charles L. Westerberg. Mr. Milano is also head of the Millmaster Chemical Company, N. Y., which acts as the sole selling agent for the Berkeley Chemical Corporation.

Packaging Machinery Elects Officers

George W. von Hofe, president of the New Jersey Machine Corporation, Hoboken, N. J., has been elected president of the Packaging Machinery Manufacturers Institute. He succeeds Frank B. Fairbanks, president of the Horix Manufacturing Company, Pittsburgh, Pa.

Vice-presidents elceted were Boyd H. Redner, of the Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich., and Oscar W. Wikstrom, of the United States Automatic Box Machinery Company, Boston, Mass.

German Metal Plants Approved for Reparation

Eighty-five non-ferrous metal plants in Germany have been officially approved for reparation by the Allied Control Council in Berlin it was announced October 10 by the Office of International Trade. These factories will be allocated by the council between the Inter-Allied Reparation Agency and the Union of Socialist Soviet Republics.

The plants which are finally allocated to the Inter-Allied Reparation Agency will then be re-allocated by IARA among its eighteen member Western Nations including the United States.

Included in the list are plants which were engaged in ore dressing, smelting and refining, the production of ingots, semi-fabricated and finished wrought, cast and forged products of primary and secondary aluminum, magnesium, copper, lead, zinc, tin, nickel, beryllium, manganese, vanadium and alloys.

A list of the eighty-five plants may be obtained from the Reparations Staff, Office of International Trade, Department of Commerce, Washington 25, D. C. Business firms and others are invited to indicate interest which they may have in the purchase of any of the plants, in order that the United States may officially request the allocation of plants considered desirable. Such expressions of interest should be received as soon as possible. An expression of interest does not constitute a commitment to purchase.

Inquirers should state whether they would intend to purchase a plant for transfer to the United States or to a third country. Where the inquiry relates to transfer to the United States, inquirers should indicate the nature of the need for, and the availability of, similar facilities within this country.

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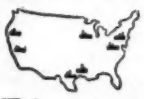
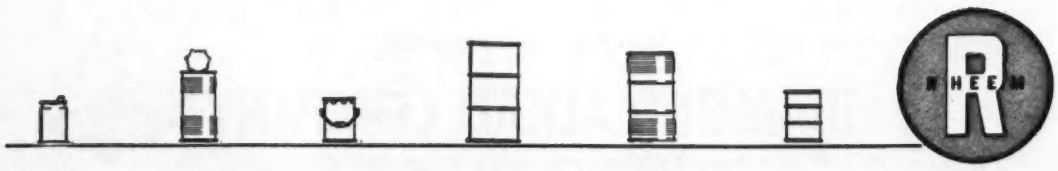
Rheem has seven drum plants from coast to coast ready to serve you.  *Take advantage of this tailor-made service. Call a Rheem representative* *today . . . he's probably right near you. Or write Rheem, 570 Lexington Avenue, New York 22, N. Y.*



NEW YORK CHICAGO BALTIMORE NEW ORLEANS HOUSTON LOS ANGELES SAN FRANCISCO

Plastic, Coldwater Paint Sales: August

Sales of plastic-texture paints, coldwater paints and calcimines for August, 1946, as reported to the Bureau of Census by 38 identical manufacturers, accounting for approximately 87 percent of the total value of sales in these materials, as compared with those for August, 1945:—

Plastic-Texture Water Paints

	Pounds	Value
*Total	1,947,148	$135,239

* Includes paste and dry powder plastic-texture water paints which cannot be shown separately without disclosing the operations of individual companies.

Coldwater Paints

	Pounds	Value
Exterior, lime or cement-bound	5,216,572	.....
casein-bound	431,101	.....
Interior, casein-bound, paste or semi-paste form	219,129	$286,365
Dry-powder form	763,620	63,878
glue-bound	204,526	10,688

* Gallons.

Calcimines

	Pounds	Value
Hotwater	806,283	$35,588
Coldwater	1,101,718	50,931

Sales of these products for August, as compared with those for the corresponding month of last year, were as follows:—

	August 1946	August 1945
Plastic paints.....lbs.	1,947,148	748,480
value.	$135,239	$49,960
Coldwater paints. value.	$819,887	$512,186
Calcimines .....lbs.	1,908,001	1,990,279
value.	$86,519	$100,908

Supplee-Biddle Elects Officers

Supplee-Biddle Company, hardware supplier, Philadelphia, has elected Llewellyn A. Hoeflich, vice-president and secretary and Roy G. Geppinger vice-president. Newly-elected assistant vice-presidents of the company are Emeral Connor, Charles B. Leinbach, John J. Regnery, Floyd F. Trader, W. Le Roy Groom, George A. Crudden and William J. Galligan. William G. Steltz jr. was elected assistant treasurer, and all other officers were re-elected.

Kenneth Bauer Elected Head of Philipp Bauer

Philipp Bauer Company, chemical importer and exporter, New York, have announced that Kenneth B. Bauer, vice-president, has been elected president to succeed the late Philipp Bauer, the founder of the firm and who had been president for the past sixty-five years.

Obituaries

C. Henry Hathaway

C. Henry Hathaway, assistant to the president of the Gulf Oil Corporation, Pittsburgh, died in Bronxville, N. Y., October 7. He was sixty-one years old. Mr. Hathaway had been assistant to the president of the oil firm for fourteen years.

Dr. J.C. Torrey

Dr. J. C. Torrey, retired head of the department of public health and preventive medicine at the medical college of Cornell University, died in Yonkers, N. Y., October 7. He was seventy years old. Dr. Torrey, whose specialties were bacteriology, immunology and experimental pathology, had been associated with the college for thirty-four years.

A. W. C. Leeson, a metallurgist for many years with the United States Metals Company, Carteret, N. J., died in Rahway, N. J., October 4. He was sixty-five years old.

Frank H. Manley, sr., retired treasurer of the Carborundum Company, Niagara Falls, N Y., died at his home in Lewiston N. Y., Oct. 6. He was seventy-five years old.

Clifton F. Schmidt, jr., research chemist for the Crown Cork & Seal Company, Baltimore, died recently in that city following a year's illness. He had been associated with the company for nine years.

George P. Wardley, retired vice-president of the Carnegie-Illinois Steel Corporation, Chicago, died in Joliet, Ill., October 5. He was sixty-one years old.

Ferro Names Meyers Buffalo Agent

Ferro Chemical Corporation, Cleveland, has appointed James O. Meyers & Sons, Kenmore, N. Y., as agent for its products in the Buffalo territory. Complete warehouse stocks will be carried in Buffalo, N. Y.

Opens Own Laboratory

Dr. Lloyd W. Hazelton, 1946 Ebert prize winner, has opened a pharmacological laboratory for industrial research and consulting at Falls Church, Va., a suburb of Washington, D. C. A principal objective of the new laboratory will be the development of pharmacological background for compliance with regulations of Federal agencies.

Silica Brick Plant Sale Approved by WAA

The War Assets Administration has approved sale of a silica brick plant in Lehi, Utah, to General Refrigeratories Company of Pennsylvania for $375,000. The plant was operated during the war by Gladding McBean & Co. to produce fire brick for the Geneva, Utah, steel foundry. The wartime operator is presently occupying the plant under an interim lease.

Trade Briefs

John A. Waugh has joined the staff of the Institute of Textile Technology.

Packers Tar Soap, Inc., has named Howard S. Round director of chain store sales.

Roger L. Dixon, of Dallas, Texas, has been appointed by the Department of Agriculture to facilitate the government's cotton export and textile production program in Germany.

Celanese Corporation of America stockholders voted, at a recent special meeting to increase the authorized number of common shares from 2,500,000 to 7,500,000, and to change each share of presently outstanding common stock into two and one-half shares of new common stock.

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Inter-American Group Plans War on Locusts

An agreement has been signed at an international conference held in Montevideo by representatives of Argentina, Bolivia, Brazil, El Salvador, Guatemala, Panama, Paraguay and Uruguay providing for joint action against locusts, according to a Comtelburo cable from Buenos Aires, October 9.

Under the terms of the agreement mentioned, the signatory countries promise to create in their respective territories all the technical services required to combat the locusts and conduct the necessary investigations, and they agree to gather and exchange information regarding movements of swarms, fighting locusts both in the invasion zones and in their breeding grounds, and coordinate all such action by means of the Inter-American Antilocust Committee to be established in Buenos Aires.

In the meantime, the local Ministry of Agriculture has decided to purchase fifty jeeps for use in the antilocust campaign, and has announced the purchase, from Holland, of 350 tons of "gammexane" hexachlorocyclohexane a new and extremely powerful insecticide, of which 50 tons are about to arrive, and which shortly will be manufactured locally provided certain raw materials can be obtained. The Netherlands Government has offered to deliver 200 tons of 5 percent "gamexane" monthly and it is estimated that a minimum of 10 kilos per hectare is required. These shipments should suffice to save 120,000 hectares up to March next year, when the antilocust campaign may be expected to end.

WAA Names Field And Robinson to Posts

OPD Washington Bureau

Robert M. Field has been made Vice Administrator for Staff Operations and Clinton F. Robinson, Vice Administrator for Field Operations of the War Assets Administration. Both positions are newly-created.

Mr. Field has been an officer and director of various subsidiaries of the **United States Steel** Corporation. In his new position he will direct the **activities of the following offices in** Washington:—

Plans and policies, liaison with owning agencies, general counsel, information and advertising, fiscal services, personnel and office services, acquisitions, general disposal, aircraft disposal, real property disposal and general review board.

Mr. Robinson, who has been a deputy administrator since he joined WAA in May, will direct the disposal and operational activities of the zone, regional, district and all other field offices and installations.

Monsanto Names Nason To Research Department

The Monsanto Chemical Company, St. Louis, has promoted Howard K. Nason to associate director of its central research department in Dayton, Ohio. Edward M. Hubbard, Milton Kosmin and Ralph R. Wenner were appointed group leaders.

•

Maas & Waldstein Company, manufacturer of specialized production finishes, Newark, N. J., has developed synthetic enamels and clear finishes that are said to bake in a matter of seconds. The new products are known as "Flashdur."

Calco Names Dykes To Production Post

J. W. Dykes, formerly manager of the pharmaceutical manufacturing division at the Bound Brook, N. J., plant of the Calco Chemical Division of the American Cyanamid Company, has been named production manager of the new Willow Island, West Va., Works, of the company, where construction of the first units for the manufacture of folic acid, vitamin B component, is well advanced.

J. W. Dykes

Dr. Harold T. Lacey, has been named senior chemist at the Willow Island Works, and a member of the technical committee of the company's Marietta Works, Marietta, Ohio. Born in Salisbury, Md., Mr. Dykes, is a graduate of Washington College, Chestertown, Maryland, with an A. B. degree. He was production superintendent of the E. C. Klipstein Company, South Charleston, W. Va., plant and after purchase of this firm by Calco in 1933, was transferred to the Bound Brook plant, first as superintendent and later as divisional manager of the sulphur and anthraquinone dye shops. In 1940 Mr. Dykes became manager of the company's pharmaceutical production division.

Born in Binghamton, N. Y., in 1897, Dr. Lacey attended Cornell University, receiving his Ch.B. in 1921. He remained at Cornell as assistant instructor of organic chemistry until 1925; completed his studies under a Grasselli Fellowship, receiving his Ph.D. degree in 1926. After a year abroad of post graduate work in Vienna, Munich and Graz, he received an industrial fellowship to the Mellon Institute. Dr. Lacey joined the Grasselli Chemical Company as a research chemist in 1929 and became associated with Calco in 1932 as chemical supervisor of organic pigment research, and later as chief chemist of the Pigment Division.

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WOODBURY FACIAL SOAP

Trade Briefs

Leslie Salt Company, San Francisco, will construct a processing plant in Newark, Calif., at a cost of $500,000.

Rex-Ite Suds, Inc., has been formed in Brooklyn, N. Y., for the manufacture of cosmetics and soaps.

Lady Esther Ltd., cosmetics, New York, has appointed as general sales manager Gordon A. Ogden, recently released from the Air Corps.

Lynette Perfumes Inc., perfume manufacturer, has been purchased by Five Day Laboratories, a division of Associated Products Inc.

The Dexter Chemical Corporation, New York, has announced that its textile chemical division will be represented in the two Carolinas by M. Leonard Slesinger.

Neil Products, Inc., Long Beach, Cal., flavoring extract manufacturer, has announced its incorporation. The firm, formerly known as Neil's Laboratory, retained W. Harvey Neil as president, Norman W. Kelch as vice-president, and C. S. Marston has been named as assistant to the president.

The Thomson Pump & Equipment Company, Inc., Los Angeles, has announced its formation. Leroy A. Thomson is president, treasurer and general manager of the new company which will design and manufacture pumps for both industrial and sanitary uses.

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GRamercy 3-5905

German Research

—Continued from page 7

mixed with lime in a drum, and then fused in a rotary kiln. To separate the silica and lime from the other oxides present, the slag was disintegrated by a water quench and then dried. The dry clinker was treated with sulphuric dioxide to form surphates of the soluble oxides.

Silica and calcium sulphate were removed by filtration. A hot ammonium sulphate solution was then added to the hot filtrate, and the alum in the mixture was crystallized out. Iron salts were removed from the solution by adjusting the acidity and by the addition of hydrogen peroxide and calcium carbonate. A sludge of ferric hydroxide and calcium sulphate was precipitated and removed by filtration.

The resulting solution was pumped into a circular-stirred vessel, and ammonia gas was passed into the solution until all the sulphate was neutralized and beryllium hydroxide was precipitated. The precipitated beryllium hydroxide was filtered, dried, briquetted with organic binder and charcoal, extruded in the form of rods, carbonized, and then chlorinated. Purification of the resulting crude beryllium chloride by distillation followed.

The electrolysis process was carried out in nickel crucible, with external auxiliary heating. The melt consisted of a mixture of equal parts of beryllium chloride and sodium chloride. The metal content of beryllium obtained from the electrolysis process generally ranged between 98 and 99 percent, according to the Germans.

Both processes are described in detail in the report, which included five flow sheets.

Orders for the report (PB-25668; photostat, $1, microfilm, $1) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

Fuel-Injection System

A pumpless fuel-injection system developed in Germany, though not yet practical because of its high specific fuel consumption, may make the diesel principle economically practical for small, high-speed engines, according to a report now on sale by the Office of Technical Services, Department of Commerce.

Orders for the report ("Fuel Injection Without Injection Pump"; PB-28,-755; photostat, $1; microfilm, $1; 13 pages, including diagrams) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Trade Briefs

Termitgas, Inc., has been organized in New York to deal in chemicals.

Lion Oil Company, El Dorado, Ark., has purchased the Exchange building, largest office building in that city, as part of a general expansion program.

Cincinnati, Dayton, Indianapolis and Columbus, Paint, Varnish and Lacquer Association, will meet October 14, at the Cincinnati Club.

E. I. du Pont de Nemours & Co., Wilmington, Del., has developed a new industrial adhesive which the company claims requires no catalyst or special preparation for use.

ALUMINUM CHLORIDE
ANHYDROUS
PHOSGENE
(CARBONYL CHLORIDE)
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MUTUAL CHEMICAL COMPANY OF AMERICA
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Textile and Leather Chemicals

Consumers continued to absorb sizable quantities of sizing materials last week against contracts and also showed active inquiry for requirements during the balance of the year. Corn dextrin and starch were in steady request for delivery on prior contracts. Demand for potato starch was active and production was reported sold well ahead. Production of this material was hampered by the rainy weather which delayed delivery of potatoes to mills. Interest in Brazilian tapioca flour continued light last week. Bids for shipments were well below current asking prices in view of the lower costs of domestic competing starches. It was predicted that prices in Brazil were bound to become easier, because of the lack of business and increased stocks available for shipment.

Trading in tanning materials continued slow last week, and from present indications early improvement was not expected until tanners' supplies of hides and skins become available in larger quantities. Tanning operations were reported reduced to 35 to 50 percent of capacity and further decreases were in prospect, unless the hide situation gets better.

A three point program to alleviate the serious leather shortage, with exports to be held to about 1 percent of total leather production in the United States was announced by the Reconversion Director, October 8. The following steps under the OWMR program will be taken:—CPA will modify allocations under M-310, that base period tanners and contractors of record may import and process cattle hides and calfskins without counting against their domestic quotas. Price adjustments will not be made on leather made from imported cattle hides. OPA will take action to adjust the price of leather made from imported calfskins to reflect the higher costs of the imported skins. Exports of hides, skins and leather will be held to a minimum consistent with proper commercial relations with other countries.

Chemicals

Bichromates—While reports were current that tanners were reselling bichromate of soda, actual sales could not be confirmed and it was doubtful if the resales aggregated any sizable quantity. Demand for resale material was active. Producers reported a steady demand against former contracts, which continued to absorb the output. A brisk demand for export was unsatisfied.

Sulphonated Oils—Difficulty of obtaining supplies of castor, oil, tallow and other oils continued to restrict production and trading in sulphonated grades. Buying interest was reported active and quotations were entirely nominal.

Sizing Materials

Albumen, Blood—Because of light livestock slaughter, the production of albumen and dried soluble blood was practically at a standstill. Producers have a large backlog of orders, which they are unable to fill. Demand was urgent. Prices were firm and unchanged.

Albumen, Egg—Trading in edible grades was reported routine, with prices unchanged. Supplies were adequate to meet the current demand. Increased inquiry was noted for the technical grade and prices of were firmer, ranging from $1.15 to $1.30 per pound for good quality as to quantity and low grades named about $1.05 per pound.

Dextrin, Corn—Steady consuming demand continued to absorb the output. Consuming inquiry was active, but offerings were light as makers were reported still behind in deliveries. Market was firm at former levels.

Egg, Yolk—Limited stocks and improved demand have created a firmer market and prices were advanced and held at $1.10 to $1.16 per pound, depending upon quantity and seller. Trading was restricted by the scarcity of offerings.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
296.0	296.0	296.2	300.5

(For Current Prices see Page 9)

Sago Flour—Arrivals totaled 745 bags last week for delivery on prior contracts. Supplies on spot were light and nominal at 10c. to 12c. per pound, as to quantity.

Starch, Corn—Producers have increased allotments for delivery against former contracts. Market was firm and unchanged with demand active for prompt and forward delivery. Offerings were still limited and confined to prompt requirements. Prices were firm at ceilings. Visible corn supply decreased 1,356,000 bushels for the week ended October 6 to 3,376,000 bushels, compared with 4,920,000 bushels a year ago.

Starch, Potato—Buying interest continued brisk for prompt and forward requirements, with sellers restricting offers to delivery for the balance of the year. Production was delayed last week by heavy rains which delayed deliveries of potatoes to mills. Carlots were firm at 7.35c. to 7½c. per pound, New York basis, depending on seller and delivery.

Starch, Wheat—Production has been resumed and was delivered against standing orders. The output was reported limited as yet, with offerings scarce. Carlots were quoted at 6½c. per pound and smaller quantities at 6.60c. to 6¾c. per pound, New York delivery.

Tapioca Flour—Trading in Brazilian flour was reported slow, because buyers and sellers were still far apart in their views pricewise. Lower costs of domestic starches have reduced inquiry for shipments from Brazil which ranged from 6c. to 11c. per pound, f.o.b. Brazil, according to quality. Bids of 5¾c. for the lower grades were reported. Some 20,000 bags of prewar mixed flour arrived a week ago from Java to be assorted as to grade and offered on spot from 5c. to 10½c. per pound, depending upon quality. Imports from Brazil totaled 21,750 bags at Baltimore last week.

Tanning Materials

Chestnut Extract—OPA removed price controls on chestnut extract, October 9, because of increased supplies.

Mangrove Bark—There was no improvement in demand for replacements. Offerings for shipment were fairly liberal at former quotations.

Myrobalans—Trading continued quiet last week. Tanners showed no interest in forward requirements. Prices were unchanged and more or less nominal. Some 500 bags of powdered extract arrived at New York last week for delivery on previous contracts.

Quebracho Extract—The trade still awaited the decision of the Argentine government regarding procedure for the sale of quebracho extract. This has halted trading during the past three weeks. Consuming inquiry was active. Arrivals were reported at 9,140 bags at Boston last week for delivery on contracts made months ago.

Tara Powder—Business was slow, though a good inquiry was noted for prompt shipment. Sellers at primary centers were holding material at price above ceilings, thereby preventing trading.

Valonia—Quietness prevailed in this market last week. Sellers were offering more freely of late, with tanners showing little interest. Prices were unchanged. Beards, 40-42 percent, were quoted at $68 to $72 per ton and cups and beards at 30-32 percent at $55 to $60 per ton, as to quality.

Wattle Extract—Trading continued inactive last week. Importers awaited the decision of OPA regarding the lifting of import ceilings, and transferring prices under MIPR, which permits trading at landed costs with normal markups. A good inquiry was noted for nearby and forward delivery.

For Late Market Developments, See Page 4

ALBUMENS

WAR FOOD ADMINISTRATION
ACHIEVEMENT

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AWARD

PRESENTED TO THE MEN AND WOMEN OF H. GARTENBERG AND COMPANY PLANT No. 2 FOR THEIR OUTSTANDING RECORD IN THE PRODUCTION OF "FOOD FOR FREEDOM"

Liquid or Dried Albumens and Eggs, in any form for Every Industrial Use.

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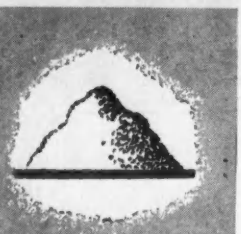
CABLE ADDRESS "GARTEGG"

ALBUMENS

OPD—10-14-1946 51

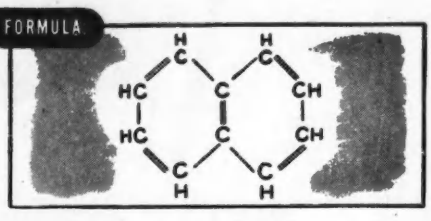
NAPHTHALENE

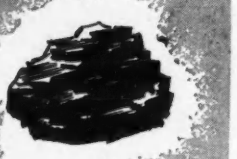


DEFINITION: A crystalline chemical compound of carbon and hydrogen found abundantly in coal-tar. It was early termed "tar camphor."

HISTORY: Naphthalene was discovered in coal-tar by Garden and Brande in 1819 and its chemical constitution determined by Michael Faraday in 1826. It was proposed for enriching water gas in 1862. Use for manufacture of naphthols for the synthetic dye industry commenced about 1873.

FORMULA:





SOURCES: Traces of naphthalene occur in certain vegetable products. Some naphthalene has been recovered from specially processed petroleum fractions, but the principal source of naphthalene has always been coal-tar.

CHARACTERISTICS: Pure naphthalene is produced as white crystal flakes or chips which melt at 79.4° C or above. It boils at 218° C. It vaporizes slowly at room temperature. It has a clean penetrating odor; is soluble in benzene, hot alcohol and ether, but is practically insoluble in water. It burns with a smoky flame.

USES: Serves as a moth preventive and insecticide for household, institutional and agricultural use; as a raw material for phthalic anhydride, dyes, waxes, tanning agents, pharmaceuticals and plasticizers.

GRADES: Industrial: 74° and 78° crude in tank cars and barrels: 79.4° refined in tank cars and as chipped, crushed or flake in barrels and multi-walled bags. Household: flake and ball in 16-, 12-, 10-ounce packages; flake and ball, powdered or rice form, in barrels, bags and 50-pound bulk cases.

This is one of a series of advertisements presenting information on basic coal-tar chemicals

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Barrett

The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Buying conditions in coaltar chemicals have shown no improvement during the past week. Steel output was slightly higher at 90.4 percent which indicated that coaltar production was at least maintained around its former level. No break in the strikebound condition of a major producer of synthetic phenol and coaltar intermediates was reported. This is the seventeenth week in which the plants of this company have been shut down. The cutback output of phenol is being increasingly emphasized in the pressure for shipment at other plants. Benzol displayed a slightly tighter tendency although producers were able to conduct shipments on a fairly prompt basis. Crude naphthalene remained exceedingly tight with no easement in the demand from the makers of phthalic anhydride. The household grades of naphthalene were also short under the continuance of heavy demand.

Creosote oil was very tight and so was cresylic acid. Imports of the latter were delayed from landing at this port by the maritime strike. Carbazole has been sold by some producers through the first half of 1947. Pyridin revealed no important change from its former tight position. Trade reports were current of priorities being sought to insure deliveries of the pharmaceutical grades. The favorable supply position of toluol was sustained and xylol showed the same satisfactory degree of balance recently noted. There was no chance of increasing output of cyclohexanol under the present stringency in phenol. The intermediates and dyestuffs leaned toward shorter stocks with demand showing no signs of abating.

Steel operations for the week beginning October 7 were scheduled at 90.4 percent of ingot capacity, compared with 90.2 percent in the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 88.5 percent. The present schedule is equivalent to the production of 1,593,200 net tons of ingots and castings, compared with 1,589,700 tons in the preceding week and 1,346,300 tons for the corresponding week in 1945.

Basic Products

Benzol—Market conditions appeared slightly tighter in this area owing to some improvement in the domestic demand. Export inquiry was active also with shipments restricted by the maritime strike. Prompt deliveries were available for reasonable quantities but the market did not seem capable of standing much round lot buying at the present time.

Carbazole — Output is heavily sold ahead with some producers entirely under contract through the first half of next year. Demand from the dyestuff, explosive and other consuming industries has been heavy.

Coaltar—Production, while showing gradual improvement, has not affected the tight position of inventories. Output is moving against contracts and continues behind schedule.

Creosote Oil—Continues short of demand and shows no indication of easement. Production is heavily under contract to wood-processing plants, backed up by the railroads, utilities and other consumers where wood preservation is essential.

Cresylic Acid — Supply somewhat tigher here owing to delay in moving imported material on account of the maritime strike. Demand is far enough ahead of domestic production to keep the inventory stocks exceedingly low.

Naphthalene — Pressure for shipments of both crude and refined continued heavy. The movement has absorbed production readily and left inventories practically bare. The call for crude from the manufacturers of phthalic anhydride was exceedingly active.

Phenol—Supply conditions have not improved. No change in the strikebound position of a major producer of synthetic was reported while the pressure for shipments from plants operating has steadily mounted. The market situation remained very tight.

Pyridin—Too short to permit of much buying. Aside from an active demand for dyestuffs and synthetic resins, the pharmaceutical grade has commanded a lot of attention. The latter variety has continued exceedingly tight.

Toluol—Unlike the other basic coaltar chemicals, this material has maintained sufficient inventories to allow prompt shipments. The movement for dyes, chemicals, and intermediates has continued steady with satisfactory sales reported for special solvent use.

Xylol—Maintained a satisfactory degree of balance with buyers able to operate on a fairly prompt basis. The lacquer industry continued to show considerable interest at prices current.

Chicago, Oct. 11.—Interest in coaltar bases has held up well and has caused a continued firm market to prevail for most products. Benzol was firm. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed 15c. per gallon; 2-degree toluol, same basis, 22c.; industrial xylol, same basis, 22c.; 10-degree xylol, same basis, 29c.; solvent naphtha, same basis, 22c.; creosote oil, grade 1, 15½c

Hydrogenated Solvents

Buying conditions in cyclohexanol appeared somewhat tighter and the supply of cyclohexanone was correspondingly short. Production has tapered off under the stringency in phenol and it did not take a great deal of buying to absorb available stocks. Cyclohexane was obtainable for prompt shipment with some sellers inclined to look for an easement in future demand in view of the possibilities of freer arrivals of pure rubber.

Coaltar Acids

Anthranilic—Market conditions have not varied much with the advance of the month. The call for alizarin and indenthrene dyestuffs has been reflected in the steady consumption of anthranilic acid. The rapid absorption of output has kept inventories from expanding and buying conditions have continued tight.

Cleve's—Most of the production of this acid has been taken by regular dyestuff consuming plants and there are said to be no excess stocks on the market.

Fumaric—Continued heavy consuming demand mostly from the synthetic resin industry has prevented any improvement in buying conditions. Stocks are definitely short.

H—Cutback production has been felt in the supply position of this acid. Demand was reported active both for home and export with the movement of the latter bottlenecked by the shortage of stocks and the maritime strike.

Maleic—Demand has kept above production leaving the market in a definitely tight position. Shipments are channeled mostly to the manufacturers of synthetic resins and protective coatings where the movement is behind schedule.

Picramic—Firm and short under an

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
128.2	128.2	128.2	127.8

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product coke-oven operations in the week ended October 4 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,028,280
Ammonia sulphate	lbs.	26,627,040
Benzol	gals.	3,355,440
Coaltar	gals.	12,447,600
Creosote oil	gals.	602,736
Naphthalene	lbs.	16,452,480
Phenol	lbs.	194,832
Toluol	gals.	671,088
Xylol	gals.	151,536

For Late Market Developments, See Page 4

OPD—10-14-1946 53

KOPPERS

Tar Acids

are extracted from coal tar from byproduct coke oven plants.

THESE TAR ACIDS INCLUDE

Phenol

Cresols

Xylenols

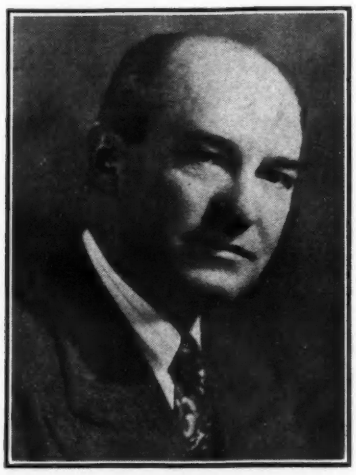
Cresylic acids

Tar Acids are used in the production of phenolic resins, solvents for resin coatings, plywood glues, oil soluble varnishes, plasticizers, soaps, disinfectants, insecticides, flotation agents, cleaners, and in the purification of lubricating oils.

KOPPERS COMPANY, INC., PITTSBURGH 19, PA.

K KOPPERS

Calco Department Head



Horace D. Acaster has been appointed to the newly created office of manager of industrial relations of the Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J.

active miscellaneous inquiry covering the cement, dyestuff, paint and plastic industries. Under present conditions, there is nothing suggestive of easement in the supply situation in the near future.

Other Intermediates

Anilin—With benzene more accessible, nitrating plants have been under greater pressure for use in making anilin oil. Distribution has covered broader fields with the dyestuff, intermediate, resin and solvent trades included. Stocks have been kept low by the active extent of consuming demand.

Anthracene—Demand for anilin and alizarin dyestuffs as well as for glass and textiles has been sufficient to keep stocks at a low level. The market continued firm and tight.

Benzidin Base—Current production has permitted some increase in distribution, although the inventory position has shown no appreciable easement up to this time.

G Salt—Stocks have remained low with current production being consumed almost entirely by regular consumers in the dyestuff industry.

Orthodichlorobenzene—No improvement in the supply position could be noted. Demand has overtaxed production temporarily and kept the market situation definitely tight.

Phthalic Anhydride—All material possible is being channeled to meet the urgent requirements of consumers. With one of the major producers closed down and the continued stringency in crude naphthalene, there has been no opportunity to improve buying conditions.

R Salt—Rapid absorption of output by regular consumers has prevented expansion of inventories. Limited stocks were reflected in the tight position of the market.

Resorcinol—Technical grade has continued to command attention from domestic consumers and exporters. Inventories have been maintained at a level to accommodate requirements for prompt shipment.

Schaeffer's Salt—Only about enough of this intermediate is being produced at present to meet the requirements of regular consumers in the dyestuff trade. The market is firm at former price levels.

Coaltar Colors

While demand appeared to be slightly off in some directions, in others there was an increase in buying orders. Producers have not been able to attain capacity dimensions on account of labor difficulties and the tight supply of essential chemicals and intermediates. Anilin oil distribution looked better under a gradual increase in the nitration of benzol. This is important because anilin is the starting point of a wide range of dyestuffs. Phenol and naphthalene, however, have continued exceedingly tight with shipments running behind schedule. There is plenty of sulphur available but sulphide of soda is in short supply and stocks of muriatic acid have been steadily declining.

R. H. Miller Paint Corporation, Albany, N. Y., has leased the store now occupied by the Sherwin-Williams Company at 480 Broadway.

REPUBLIC BENZOLS

1° — 2° — 90% — MOTOR

REPUBLIC STEEL
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ALSO

TOLUOLS
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XYLOLS
3° — 5° — 10° — Commercial

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CRUDE NAPHTHALENE

CRUDE PYRIDINE

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EXPORT INQUIRIES INVITED!

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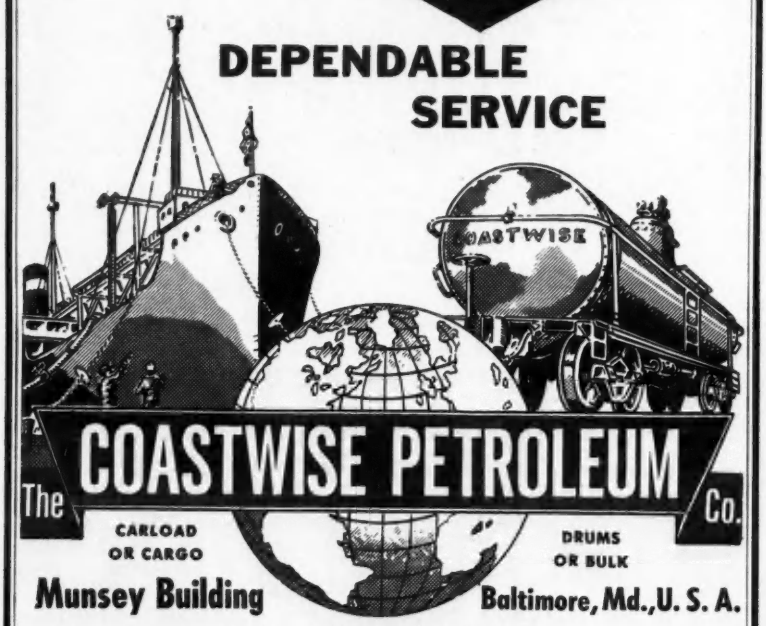

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U.S. to Buy More Malayan Rubber

OPD Washington Bureau

Discussions have been concluded in Washington between representatives of the governments of the United States and the United Kingdom in connection with the rubber supply situation, as a result of which, the Reconstruction Finance Corporation, through its subsidiary, Rubber Development Corporation, will seek to purchase from Malaya all natural rubber allocated to the United States by the Combined Rubber Committee from U.K. sources up to a total of 200,000 tons. Price will be 20¼c. (U. S. Currency) per pound for standard sheets delivered f.o.b. ocean going steamer at Far Eastern ports through December 31, 1946. This quantity is in addition to the amount already purchased under the agreement announced June 21, 1946.

Chem. Market Research To Meet October 31

The Chemical Market Research Association will meet in the Palmer house, Chicago, October 31. Subjects to be considered are the food industry and the can industry as consumers and producers of chemicals.

At the luncheon session Dr. Albert E. Elder, director of research for the Corn Products Refining Company, will speak for the cereal industry, and at 2:30 p.m. Dr. Victor Conquest, director of research for Armour & Co., will speak for the meat industry. Speaker for the dairy industry has not been chosen as yet.

The can industry will be represented by Roger V. Wilson, manager of the customer service research department of the Continental Can Company, and J. J. Harris, also of Continental Can.

Texas A&M Buys WAA Ordnance Site

OPD Washington Bureau

Approximately 16,000 acres of the Blue Bonnet Ordnance Works, McGregor, Tex., excluding the industrial portion of the project, has been sold to the Agricultural and Mechanical College of Texas by the War Assets Administration. The sale was made at a 100 percent discount from the estimated fair value of $2,425,675, the property to be used for agricultural experiment and research. Mineral rights were not included in the transfer, and the government is to be reimbursed by the college for the cost of "decontaminating" the property to remove hazards.

Trade Briefs

Sano Products Corporation has been formed in Buffalo, N. Y., to deal in cleaning compounds.

International Andes Corporation has been organized in New York to import and export insecticides and chemicals.

Emulsion Chemical Company has been formed in New York for the manufacture of emulsions and emulsifying agents.

York Corporation, manufacturer of refrigerating equipment, York, Pa., has appointed John M. Lambert as manager of consumer sales.

Labor Relations

--Continued from page 3

bonus payment had to be included as part of the employee's compensation and overtime paid on it, as well as the hourly or weekly (forty-hour) rate. The employer insisted that he was right. And so the government took him to court.

The United States District Court ruled in favor of the employer. It held that this particular type of bonus plan did not come within the overtime provisions of FLSA, and that overtime on the bonus payments was not required.

The court, in its opinion, outlined certain guiding principles to the problem:—

1. Since the bonus payments were entirely dependent on the declaration of dividends by the board of directors, these payments were, therefore, like stock dividends, wholly discretionary with the employer.

2. Nor did the employees have any contractual right, expressed or implied, to such bonus payments. The only fixed element in the plan was length of service, a factor which only determined the degree of participation in the cash bonus, if and when declared. The employees thus did not have an absolute right to the bonus.

3. The fact that the bonus was paid regularly for nine years does not matter. Regularity of payment is not the test.

4. It is not important that the employer had always treated the bonus payments as labor costs, withholding employee's income tax and social security deductions on such payments, all this being only "intelligent bookkeeping."

Applying the foregoing principles, the court, accordingly concluded that the bonus payments in that case were not part of the employees "regular rate." The employer was not required to include such bonus payments in figuring overtime.

There are numerous forms and types of employee bonus plans. Many of them are not, however, bonus plans in the strict sense of the word, at least for FLSA purposes. In fact, the term "employee bonus plan" is generally used far too loosely.

For one thing where the bonus is a form of production or incentive plan, such as piece-rates and the like, such incentive payments must be included as part of the employee's compensation in figuring his overtime. It is, in fact, not even a bonus at all, the employee having earned the extra compensation through his own effort and increased production. His total earnings, including base or hourly rate plus incentive earnings, would represent his "regular" rate upon which overtime would have to be figured.

Nor are these incentive or production "bonus" plans the only ones coming within the overtime provisions of FLSA. As the district court points out, if the bonus plan is not discretionary with the employer or where the employees have a contractual right to the bonus payment, the FLSA would control, and overtime computation would have to include such payments.

It would be well, therefore, that employers who pay their employees a sum over and above a fixed hourly or weekly rate, whatever the particular "bonus" plan may be, review their method of figuring overtime. They may be wrong in their computations, necessitating prompt correction, if FLSA violation is to be avoided.

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Agricultural Chemicals

Overall supply conditions have not improved with the advance of the month. Mixing operations have been increased by the resumption of activities in smaller fertilizer plants many of which were shut down during the Summer season. Sulphate of ammonia has continued in active demand with eastern requirements satisfied on a fairly prompt basis while a definite shortage was reported on the Pacific coast. Reports from the South state that carlots of cottonseed meal have been offered for carlots of sulphate of ammonia on an equal basis. Potash shipments have gone forward in steady volume. There was no easement in the demand for superphosphate. Production of this material has been increased by the restoration of output by a major company recently closed down for repairs. An advance of 70c. a ton has been granted by OPA in the maximum price of Florida unground hard phosphate rock as a result of increased costs of mining. Producers appear to have become reconciled to the old ceiling prices on dried blood and tankage, although practically no material was offered. The trade is looking for an upward revision in the ceiling prices for fish meal in the near future.

Export shipments of fertilizers and fertilizer materials, in June, 1946, totaled 96,000 short tons and were valued at $1,627,000, according to the summary prepared by The National Fertilizer Association. This was an increase of 30 percent in tonnage and 58 percent in value over a year ago but only 10 percent in tonnage and no increase in value compared with June, 1944. The principal increases were in exports of nitrogenous materials and phosphate rock while a decrease was reported in potash materials.

Nitrogenates

Ammonia Phosphates—Importations in June amounted to 7,057 tons compared with 12,668 tons for the same month in 1945. Importations for the year ending June 30 were 87,099 tons against 95,427 tons in 1945.

Calcium Cyanamide—Importations for the year ending June 30, totaled 150,844 tons, compared with 113,636 tons for the previous year.

Castor Pomace—Continued absence of offerings has prevented trading in this material and the movement was confined to regular contracts. No revision in price ceilings has been announced to date.

Dried Blood—Production of this material is exceedingly low with scarcely any stock available at present. The same condition is also current in bone meal and tankage. Chicago quotes the market for dried blood and tankage at the former ceilings of $5.53 per unit for blood and tankage, plus $7.50 per ton for grinding.

Soda Nitrate—Importations for the year ending June 30 are placed at 615,343 tons, compared with 941,002 tons for the previous year. While the current movement has favored industry, it is expected the agricultural inquiry will gradually increase. Stocks are not plentiful but are meeting essential requirements on a fairly prompt basis at former price levels.

Phosphates

Phosphate Rock—OPA has issued amendment 7 to RMPR 240 granting an advance in maximum prices of 70c. per gross ton for Florida hard phosphate rock effective October 7. The upward revision was granted because hard rock deposits are more irregular and have higher mining costs than the pebble rock and are not competitive in the domestic market. There is a world shortage in the supply of phosphate rock and there is a demand for hard rock for export. Foreign shipments of all grades of rock in June registered 58,840 tons according to NFA. Of this amount 27,076 tons were Florida land pebble. The amount exported in June, 1945, was 47,509 tons. Aggregate export shipments for the year covering July, 1945, through June, 1946, were 708,768 tons, against 420,629 tons for the preceding year.

Superphosphate—According to trade reports, there are no surplus stocks in this section. Mixers are taking all the material that can be shipped. Out of town advices state that continued difficulty in obtaining potash and sulphate of ammonia is checking progress in expanding output of mixed fertilizers. Export inquiry remained active. Foreign shipments in June were 17,547 tons, compared with 14,758 tons for the same month in 1945. Total exports for the fertilizer year were 166,876 tons of normal and 98,449 tons of concentrated against 127,789 tons of normal and 27,922 tons of concentrated in the preceding year.

Market Trends

Prices Advanced

None

Prices Reduced

Dried blood, $4.47 per unit ton.
Tankage, $4.47 per unit ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.1	72.1	72.1	71.8

(For Current Prices see Page 9)

Potashes

Demand for mixing requirements has continued heavy and all available material is being shipped against allocations. There are no excess stocks at present although it is believed as much material will reach mixers as in the previous year.

Exports of muriate for the year ending June 30 were 87,563 tons and 18,763 tons of other grades making a total of 106,326 tons. Total exports in the preceding year were 104,991 tons. Importations for the year ending June 30 were 7,914 tons of muriate and 4,904 tons of other potash materials for a total of 12,818 tons, compared with 13,956 tons in the previous year.

Insecticides

In surveying the situation of finished spray and dust materials, authorities in the insecticide trade assert that year-end stocks are at the lowest level on record after the worst year of shortages. At this time it appears impossible to view future prospects of the general market with any degree of accuracy because of a variety of factors that are still uncertain. This year's experience has revealed what strikes can do in shutting off raw materials to insecticide and fungicide manufacturing plants. At present the industry is facing a boxcar and container shortage, possibility of additional strikes, uncertainty of securing raw materials and the unknown quantity of supplies for government export requirements. CPA has allotted 10,000,000 pounds of lead to cover the last quarter's production of insecticides.

In order to diversify the production and to facilitate the sale of pyrethrum by small producers in Peru, the Flax Commission has been authorized to acquire pyrethrum from small growers at a base price of 2.50 soles per kilogram of flowers (approximately 14.7 cents per pound). The Flax Commission will handle the purchasing of the pyrethrum with its own funds, sell the product in the market at the best price, and grant to the farmer the difference between the price received and the fixed price of 2.50 soles per kilogram.

Approximately $9,000,000 has been appropriated by the Argentine Government for the purchase of insecticides and equipment to exterminate locusts. Purchase will include 2,000,000 pounds of powdered insecticides and about 3,300,000 pounds of poisoned bait.

Sulphur and Pyrites

Market conditions in sulphur have not revealed any important variation during the past week. The maintenance of a large stockpile at mines has permitted prompt shipments to supply a consuming demand of sizable seasonal dimensions. Regular consumers of pyrites have taken both Canadian and Spanish material when available at recently prevailing price levels.

For Late Market Developments, See Page 4

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OPD—10-14-1946 56

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Sodium Phosphate, Di

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Chloral Hydrate, U.S.P.

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Phenol, U.S.P.

Benzoic Acid, U.S.P.

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Drugs and Fine Chemicals

Producers of acetoacetanilide, diethyl carbonate, and ethyl acetate advanced the prices last week to conform with higher costs. Acetone prices were decontrolled by the Office of Price Administration. Brucine fetched more money. Opium was higher without quotations on codeine, morphine and Dover's powder being advanced. Silver bullion recovered all the decline lost late in the previous week and returned to the basis upon which silver nitrate had been priced. Silver neucleinate and proteinate were readjusted upward to conform with the prevailing cost of bullion. And the maker of streptomycin reduced quotations by 50 percent. Such were the price developments last week in the market for drugs and fine chemicals. The majority of materials held firm in price and most were in good demand.

If the history of penicillin be repeated, the market is in for a steady decline in prices on streptomycin as production increases and competition becomes an added ingredient in market developments. The movement in that direction started last week and the end is not in sight.

Silver neucleinate has been readjusted to conform with the higher prices approved by government agency. No change was made in silver nitrate when the leading supplier of bullion recently and suddenly reduced quotations; the nitrate people stood pat and awaited further developments. They came when bullion returned very late last week to its former position.

The change in opium prices were curious only in that they were not accompanied by an advance in the quotations on all derived products. Codeine, morphine, and Dover's powder continued as formerly quoted. It was the first change in opium prices for numerous years. The codeine, morphine and Dover's powder now being sold were made from opium bought at the old, lower price. When production starts from the higher priced raw material, application for higher prices on the derived products is likely.

Acetoacetanilide—Producers of this article were enabled to advance prices to a point in line with costs. The new quotation was 52.07c. to 70.00c. per pound.

Acetone—Lacking further advance in prices, the market for this article was very active and production was being pressed sorely to provide the requirements of a large number of buyers. Price control was removed by OPA.

Acetophenetidin—Strikes have hurt production so badly that reports suggest the inability of buyers to secure deliveries of this material. The market has assumed a nominal position for the time being, pending the return of major production to the market.

Acid, Acetylsalicylic — Movement was all that the current much reduced production could provide. The market has been rendered difficult by strikes that hit major production months ago. They still continue.

Acid, Boric—Contract deliveries accounted for production in major fashion. The takings were prompt and indicated the activity prevailing in consuming plants. The undertone of the market held firm.

Acid, Camphoric—Those who in the past supplied the major part of consumption continued to report an inability to supply anything now. Inability traces to the lack of natural camphor on this market, although the war ended more than a year ago and access to Formosa had been expected to result in early restoration of camphor production and export.

Acid, Citric—Moving well and in line with the usual reduction in consumption during the mid-fall and early Winter months. The market seemed to be well stabilized.

Acid, Mandelic—This article appears to be sufficiently well supplied to provide all requirements of manufacturing consumers and to permit maintenance of a fair-sized reserve in the hands of the producers. Prices were very steady. Demand was good.

Market Trends

Prices Advanced

Acetoacetanilide, 3.07c. per lb.
Brucine, 3c. per oz.
Diethyl carbonate, com., 10.85c. per lb.
Ethyl acetate, natural, 85-88%, 2.73c. per lb.
96-98%, 3.07c. per lb.
99%, 3.26c. per lb.
Opium, 8.30c. per lb.
Silver bullion, 1.12c. per oz.
Silver neucleinate, 3.9c. per oz.
Proteinate, 3.7c. per oz.

Prices Reduced

Streptomycin, $10 per gram.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
245.5	219.6	219.4	205.8

(For Current Prices see Page 9)

Ac'd, Nicotinic — Demand gained moderately and found the price position exceptionally well maintained and not suggestive of a further reduction in prices at an early date.

Acid, Pyrogallic—Industrial requirements kept sales volume to substantial size and maintained a comparative shortage in material available for immediate delivery to buyers. The prices were stable.

Acid, Tartaric—Import reports failed to include the arrival of further quantities of this material. The market seemed steady but there were suggestions that all might not be so calm as the quiet surface of the market suggests at this time. Open market operators seem to think that further reductions in price will come.

Adeps Lanae—Though lacking further reduction in open quotations, the market was definitely competitive and conditions favored buyers who came to the market with firm orders in hand. Shading of open quotations seemed not unlikely.

Agar—Former importers of this article from Japanese sources fail to indicate any time at which import business may be resumed with that country.

Alcohol—The following data were released last week by the Alcohol Tax Unit, Bureau of Internal Revenue, and compared production, withdrawals, and stocks of ethyl, completely denatured, and specially denatured alcohol in August, 1946, and June, 1945:—

Alcohol Data: August

	Proof gallons	
Production—	1946	1945
Ethyl	19,981,032	45,434,611
*Completely denatured	4,297,574	5,285,149
*Specially denatured	11,746,698	26,633,833
	Wine gallons	
Withdrawals—	1946	1945
Ethyl,† tax paid	5,733,457	3,103,240
tax free	29,572,853	64,441,272
*Completely denatured	4,312,442	5,606,081
*Specially denatured	13,297,592	27,026,082
Stocks—		
Ethyl†	86,473,883	140,684,515
*Completely denatured	86,859	240,934
*Specially denatured	7,904,839	20,348,533

* Wine gallons.
† Proof gallons.

Ammonia Bromide — Sellers look forward to a natural expansion in consuming requirements during the Winter months. Some wholesalers indicate a movement toward restocking on the part of distributing agencies.

Ammonia Chloride — Wholesale druggists have been restocking the article in preparation for the much larger prescription demand that reaches retailers during the Winter months when the common cold besets the people generally. Activity is now of that sort.

Antipyrene — Winter requirements are likely to show an expansion and some distributors of the article have been active in increasing their reserves against the needs of the next six months or so. They find the market exceptionally firm and not overly well stocked.

Argols—At the moment, the foreign markets supplying this item to the tartar product makers in this country appear to be holding in reasonable stable price position. No change has developed for some time now except that while prices have held exports have increased.

Bismuth Salts—The prices still hold despite the fact that producers are now paying much more than they had for metal and do not find the supply overly abundant at any price. The consumer position of the article was said to be one of routine activity that

For Late Market Developments, See Page 4

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Brucine—The market has moved up. Some quarters can offer only in 25 ounce lots and want 42c. per ounce on such deliveries. With that as a basis, it could be deduced that the minimum quotations in such directions would be about 40c. on quantity business.

Butyl Acetate—Production is well engaged and the total consumption of the country rides at high level. Prices are being set in relation to that paid for grain and for the present at least, no further change is an early prospect. The same applies to butyl alcohol.

Caffeine—Demand for citrated caffeine has undergone a moderate increase as distributors who find their largest sales during the Winter months are now disposed to create a reasonable reserve against the cold weather period. There is no surplus stock.

Camphor Monobromated — Winter requirements are in prospect and the available supply of this article is bound to be definitely conservative since its production is not what it was when natural camphor was freely available.

Castor Oil—For the first time in many weeks, no arrivals of castor beans were reported. And there was no decrease in the high requirements of the makers of castor oil. The total of imports since January 1 remains at 983,156 bags, or 147,473,400 pounds. A year ago, the total arrival for the corresponding period of time was also unchanged at 1,422,400 bags, or 213,419,250 pounds.

Chicago, Oct. 8.—Castor oil prices are:—Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots; 15¾c., drums less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Codeine—Although those who supply gum opium to the trade now charge much higher prices, no change has been made in the official schedule on codeine and other opium derivatives. Present stocks were made from opium at the old prices. Demand for phosphate and sulphate has undergone a seasonal improvement.

Corn Syrup—Demand was far in excess of the producers' ability to meet. Every pound of domestic goods found a prompt owner and those with imported syrup in hand had no difficulty in locating a buyer. The official prices on domestic remained unchanged.

Codliver Oil—Importations of oil during the past week totaled 317 drums from St. John's, Newfoundland, and 100 drums from Glasgow, Scotland. The market was relatively low in supply and definitely firm so far as prices are concerned. The shipping container problem in European areas is a hard one to solve.

Cream of Tartar—Domestic goods

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were in moderately good supply and the stock was aided in small measure by the arrival of 200 barrels from Lisbon, Portugal.

Fishliver Oils—The market was definitely strong. Unsold supplies were exceptionally small since all suppliers have their future stocks well engaged for immediate shipment to consumers. Prices held strong at the late advances.

Ethyl Acetate—The entire schedule on natural material was revised upward. The new quotations were:—85 to 88 percent, tanks, 14.48c. per pound; drums, carlots, 15.48c.; less carlots, 15.98c.; 95 to 98 percent, tanks, 15.07c.; drums, carlots, 16.07c.; less carlots, 16.57c. The 99 percent material was priced on the same quotation levels as the 95 to 98 percent.

Diethyl Carbonate—The market was higher on commercial material, being advanced to the basis of 35.85c. per pound, more in line with present costs.

Gelatin—Statistics on production, shipments and stocks of edible, pharmaceutical, photographic, and technical gelatin for the June-August quarter of 1946 as released by the Bureau of the Census are as follows:—

Gelatin Data, Second Quarter

	Pounds		
Production—	Aug.	July	June
Edible	2,160,136	1,932,143	2,037,982
Pharma.	357,922	302,076	315,652
Photo.	598,559	525,617	635,953
Tech.	128,616	91,082	183,290
Total	3,240,234	2,950,818	2,828,418
Shipments—			
Edible	2,614,694	1,956,499	2,112,229
Pharma.	365,518	375,158	394,813
Photo.	686,795	618,803	629,304
Tech.	188,396	108,306	187,619
Total	3,855,403	3,058,766	3,323,965
Stocks—			
Edible	2,179,551	2,628,113	2,652,469
Pharma.	266,764	274,368	347,450
Photo.	2,833,114	2,976,350	3,069,636
Tech.	64,709	114,490	131,704
Total	5,384,138	5,993,311	6,201,259

Glycerin — The market remained highly active. Production has not been bad considering the availability of raw material but demand has exceeded it liberally and caused numerous consumers to continue their purchases of glycerin elsewhere in foreign markets. The latest arrival was 1,000 drums from Bombay, India, and 20 drums from Buenos Aires, Argentina, reaching here last week.

Chicago, Oct. 8. — Glycerin prices are:—C.p., tanks 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure 18c. per pound, tankcars, 18½c., drums, carlots; 18¾c., drums, less than carlots.

Morphine—Although prices on gum opium were sharply higher, those on morphine salts were unchanged. The morphine now in stock was made from opium at its former price. When production starts from opium at the advanced cost, a move for price relief on morphine salts is expected.

Opium—Prices were advanced sharply to the basis of $21.30 to $21.55 per pound, according to quantity. Powdered and granular material were up to $22.70 to $29.95. For some time past previous quotations had been nominal since sellers had stopped transactions at such levels when their replacement costs advanced sharply. After a clean break in selling, they are now able to institute prices once more on a firm basis.

Quicksilver—The market remained very steady despite the arrival of 1,000 flasks from Leghorn, Italy. British reports may have some relation to the probable disposal of the 8,196 flasks of metal that arrived here early in September and which were destined for export. The London report says that a fair quantity of quicksilver had been bought in Italy at £22 10s per flask, f.o.b. Genoa, and that British trade circles understood that the metal was destined for consumption in India. London reported the Spanish price to be about £20 per flask f.o.b. but also said that lack of import licenses for the Spanish metal precluded importers in India from purchasing in Spain.

San Francisco, Oct. 9.—The quicksilver market here this week was steady, but supplies are short. Metal was being quoted around $96 per flask, f.o.b. this city.

Saccharin—This country was once self sufficient in the production of saccharin for its own requirements. However, foreign goods are again being imported. An arrival of 18 casks from Rotterdam, Holland, was reported during the past week.

Streptomycin—The producer of this article has reduced prices fifty percent to the gross basis of $10 per gram.

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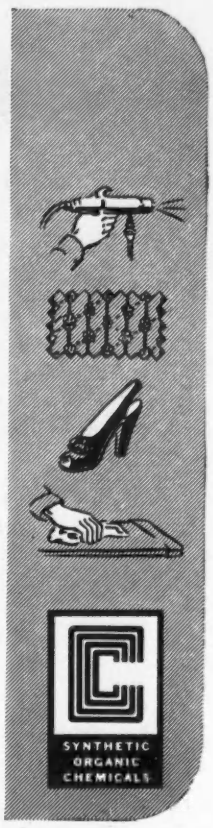

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Wyeth Names 5 To Executive Posts

Herbert W. Blades has been elected executive vice-president of Wyeth Inc., pharmaceutical manufacturer, Philadelphia, and has been appointed chief operating executive under H. S. Howard, president of the company.

Stuart V. Smith has been elected vice-president in charge of sales, and will continue to direct all sales and promotional activities. Russell A. Beeson has been elected vice-president in charge of the Nutritional Division. Alfred Barol has been elected vice-president and technical director. John D. Cash has been elected assistant vice-president. He is manager of the biological division, and assists Frank F. Law in the executive management of the Wyeth pharmaceutical laboratories in both Chicago and Philadelphia.

Packaging Inst. Issues Book on Council Activities

"Sixteen Case Studies" of the advisory council, a new publication, has been announced by the Packaging Institute, Inc., New York. These case studies selected for their wide variety and broad interest encompass much of the 1946 activities of the council whose advisory services are available alike to members and non-members of the institute.

N.Y. Coordinates Bureaus For Public Health Program

Governor Thomas E. Dewey of New York has appointed an interdepartmental health council, consisting of the state commissioners of health, social welfare, mental hygiene and education, to formulate and place in operation through the departments the necessary implementation for the state's expanded public health program.

Hilleboe Gets New Post

Dr. Herman Hilleboe has been appointed to the newly created post of assistant chief of the bureau of state services, United States Public Health Service. Dr. Hilleboe will continue to discharge his regular duties as chief of the tuberculosis control division.

Joseph E. Pogue, vice-president in charge of the petroleum department of the Chase National Bank has prepared a group survey of the financial and operating activities of thirty major oil companies for 1945.

Davison Buys WAA Ohio Catalyst Plant

OPD Washington Bureau

A Cincinnati, Ohio, chemical plant, built under direction of the War Production Board to increase production of 100 octane aviation gasoline, was sold to the Davison Chemical Corporation, Baltimore, for $1,090,669, War Assets Administration has announced. Davison expects to manufacture catalysts in the plant, employing approximately 160 persons. Employment may be increased later when new catalysts are put into production.

South Africa has taken over control in the national interest of the manufacture of liquid fuel from coal.

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ANIMAL WAX—80 bgs, Robinson, Wagner & Co, Hull
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ARECANUTS—80 bgs, S B Penick & Co, Colombo
ASAFETIDA GUM—92 cs, Bank of London South America, Aden—84 bgs, Monitz, Wallack & Co, Aden
ASPHALT, MINERAL—240 bgs, Allied Asphalt & Mineral Co, Havana
BALATA—253 bgs, H A Astlett & Co, Parnaiba—25 cs, Earle Bros, Parnaiba—32 cs, Simmonds & Grey, Parnaiba—41 bls, Herman Weber & Co, Parnaiba—356 blocks, Littlejohn & Co, Farnaiba—859 blocks, H A Astlett & Co, Para—637 blocks, Hecht, Levis & Kahn, Para—304 blocks, Paul Bertuch & Co, Para—49 bls, L W Dumont & Co, Belem—82 bls, Herman Weber & Co, Paramaribo—31 cs, Middleton & Co, Paramaribo—15 bgs, J M Santo Domingo & Co, Barranquilla—47 bls, H A Astlett & Co, Cartagena
BARBASCO ROOT—2,600 bls, H A Astlett & Co, Para—16,599 bls, Otis Astoria Corp, Belem—2,584 bls, Hecht, Levis & Kahn, Belem
BEESWAX—50 bgs, Will & Baumer Candle Co, Havana—24 blocks, R D Heins, Djibouti—333 blocks, Djibouti—36 bgs, Will & Baumer Candle Co, Port au Prince—60 bgs, Guaranty Trust Co, Port au Prince
BENZOIN GUM—282 cs, Netherlands Purchasing Commission, Tandjong Priok—20 cs, Max Van Pels, Singapore
BERYL ORE—600 bgs, Philipp Bros, Fortaleza
CALAMUS ROOT—40 bls, E Meer & Co, Calcutta
CARDAMOM—20 cs, Otto Gerdau Co, Cochin—52 cs, S B Penick & Co, Cochin
CARNAUBA WAX—106 bgs, W R Grace & Co, Fortaleza—112 bgs, Wessel, Duval & Co, Fortaleza
CASEIN—2,032 bgs, American Cyanamid & Chemical Corp, Buenos Aires—1,200 bgs, T M Duche & Sons, Buenos Aires
CASHEW SHELL LIQUID—714 dms, Irvington Varnish & Insulation Co, Cochin
CASSIA—594 bls, Netherlands Purchasing Commission, Tandjong Priok
CASTOR OIL—250 dms, Bunge Corp, Recife
CELERY SEED—60 bgs, Edward Weil, Inc, Calcutta
CHALMOOGRA OIL—10 dms, S B Penick & Co, Bombay
CHILLIES—80 bgs, Daarnhouwer & Co, Takoradi—69 bgs, L Furth, Inc, Port au Prince
CINCHONA BARK—240 bgs, J Berlage Co, Singapore
CINNAMON—678 bls, Joensson & Cross, Colombo
CITRONELLA OIL—15 dms, Netherlands Purchasing Commission, Sourabaya—33 dms, Procter & Gamble Mfg Co, Colombo—17 dms, Volkart Bros, Colombo—8 cs, S B Penick & Co, Singapore—8 cs, Anglo American Colonial Co, Singapore—2 dms, Dodge & Olcott Co, Cape Haitien
CIVET—1 cs, National City Bank, Djibouti—cs, Djibouti
COALTAR ACID—8 dms, Merck & Co, Hull
COBALT FINES—55 cks, African Metal Corp, Antwerp, Metal, 350 cks, African Metal Corp, Antwerp; Oxide, 210 cks, 5 cs, African Metal Corp, Antwerp
COD OIL—100 dms, Bowing & Co, St Johns—100 dms, J D Irwin & Co, St Johns—100 dms, Atlas Refinery Co, Inc, St Johns
CODLIVER OIL—100 dms, R J Prentiss & Co, Glasgow—184 dms, White Laboratories, St Johns—33 dms, Silmo Chemical Corp, St Johns—80 dms, Whitmoyer Laboratories, St Johns
CODLIVERS—31 dms, Silmo Chemical Corp, St Johns
COTTON LINTERS—757 bls, National City Bank, Cabedelo—84 bls, Irving Trust Co, Cabedelo
CREAM OF TARTAR—200 bbls, T M Duche & Sons, Lisbon
CREOSOTE DISTILLATE—88 dms, Merck & Co, Hull
CRESYLIC ACID—49 dms, Republic Chemical Co, Buenos Aires
CUBEBS—22 bgs, Jasius Import Corp, Singapore—24 bls, W J Bush & Co, Singapore—24 bgs, R J Prentiss & Co, Singapore—120 bgs, S B Penick & Co, Singapore
CUMIN SEED—100 bgs, Khosrovschahi & Co, Karachi
CYMBARUM OIL—13 dms, Givaudan-Delawanna, Rio de Janeiro—7 dms, Givaudan-Delawanna, Santos
DAMMAR GUM—880 bgs, 180 cs, Netherlands Purchasing Commission, Macassar—150 bgs, 122 cs, Netherlands Purchasing Commission, Tandjong Priok—41 cs, J Berlage Co, Singapore—35 bgs, O G Innis Corp, Singapore—45 cs, Max Van Pels, Singapore
DEXTRIN—1,000 bgs, Stein, Hall & Co, Rotterdam
ELDER BERRIES—1 cs, Wm Bernstein Co, Oporto—100 cs S B Penick & Co, Oporto—100 cs, Peek & Velsor, Oporto
ERGOT—60 dms, R J Prentiss & Co, Oporto—10 dms, J L Hopkins & Co, Oporto
FENNEL SEED—400 bgs, W E Martin & Co, Buenos Aires—200 bgs, Kachurin Drug Co, Buenos Aires—200 bgs, M J Golombeck, Buenos Aires—100 bgs, Archibald & Kendall, Bombay—60 bgs, Norwalk Mills, Bombay
FENUGREEK SEED—267 bgs, S B Penick & Co, Bombay—57 bgs, R I Lister, Bombay
FLEASEED—91 bgs, Wm M Allison & Co, Bombay—326 bgs, S B Penick & Co, Bombay—45 bgs, I R Boody & Co, Bombay
FUEL OIL—95,000 bbls, Standard Oil Co N J, Aruba
GALLS—3 cks, Guaranty Trust Co, Wellington—18 trcs, Buenos Aires
GELATIN, POWDERED—30 bbls, Charles Products Co, Antwerp
GHATTI GUM—171 bgs, Gondrand Shipping Co, Bombay
GINGER—698 bgs, C T Wilson & Co, Kingston
GLUE, BONE—200 bgs, Transatlantic Animal By-Product Co, Fortaleza
GLYCERIN—6 dms, Central Hanover Bank, Buenos Aires—14 dms, National City Bank, Buenos Aires—41 dms, L Pasternak Co, Kingston
GYPSUM—13,209 tons, National Gypsum Co, Dingwall—4,980 tons, United States Gypsum Co, Windsor
HENEANE LEAVES—62 bls, National City Bank, Alexandria
HENNA LEAVES—121 bls, J L Hopkins & Co, Port Sudan—41 bls, S B Penick & Co, Alexandria—26 bls, Port Sudan—40 bls, R J Prentiss & Co, Bombay
HYDROCOTYLE—9 bls, E Meer & Co, Vizagapatam
IPECAC ROOT—10 pkgs, Wessel, Duval & Co, Barranquilla—26 bgs, Wessel, Duval & Co, Cartagena
IRON OXIDE—4 cs, National Lead Co, Oslo
JAMBUL SEED—20 bls, S B Penick & Co, Calcutta
KARAYA GUM—358 bgs, Wm M Allison & Co, Bomtay—123 bgs, Frank Vliet & Co, Bombay—666 bgs, Paul A Dunkel & Co, Bombay—266 bgs, Jacques Wolf & Co, Bombay—201 bgs, Thurston & Braidich, Bombay—333 bgs, J R Gruman & Co, Bombay—66 bgs, Wessel, Duval & Co, Bombay
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LAVENDER FLOWERS—167 bgs, Mab Export Co, Barcelona
LAVENDER OIL—7 dms, Norda Essential Oil & Chemical Co, Barcelona
LEMONGRASS OIL—48 dms, Norda Essential Oil & Chemical Co, Cochin—12 dms, P R Dreyer, Cochin—18 dms, Vernon Chemical Co, Cochin—5 dms, Norda Essential Oil & Chemical Co, Bombay—6 dms, Dodge & Olcott Co, Port au Prince
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LIME OIL, DISTILLED—50 cs, Fritzsche Bros, Port Spain—21 cs, Dodge & Olcott Co, Kingston—40 cs Geo Lueders & Co, Kingston—3 dms, J D Walsh Co, Port au Prince
MACE—44 cs, Netherlands Purchasing Commission, Macassar
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MYROBALANS—500 bgs, Vermilye & Co, Hull
NUTMEGS—270 bgs, Netherlands Purchasing Commission, Tandjong Priok
NUX VOMICA—615 bgs, Volkart Bros, Madras—334 bgs, Kerk & Co, Vizagapatam—333 bgs, S B Penick & Co, Vizagapatam
OLIVE OIL—625 cs, 346 dms, Manufacturers Trust Co, Seville—68 dms, Chase National Bank, Seville—124 dms, National City Bank, Seville
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PAPAIN—21 pkgs, R J Prentiss & Co, Colombo
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PEPPER, BLACK—161 bgs, International Credit En Handels, Singapore—White, 334 bgs, International Credit En Handels, Singapore
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SACCHARIN, POWDERED—18 cks, J Berlage Co, Inc, Rotterdam
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SOOT—122 bgs, H F Mitchell Co, Buenos Aires
SORVA GUM—204 cs, T A Desmond & Co, Parnaiba—512 cs, Chicle Development Co, Parnaiba—433 cs, Otis Astoria Corp, Parnaiba
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STRAMONIUM LEAVES—42 bls, S B Penick & Co, Buenos Aires
TALHA GUM—300 bgs, Stein, Hall & Co, Port Sudan—200 bgs, T M Duche & Sons, Port Sudan
TAPIOCA FLOUR—19,067 bgs, Netherlands Purchasing Commission, Sourabaya—2,120 bgs, Morningstar, Nicol, Inc, Fortaleza—1,643 bgs, J H Schroeder Banking Corp, Fortaleza—1,668 bgs, Stein, Hall & Co, Parnaiba—1,167

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TEAWASTE—700 bgs, Maywood Chemical Works, Colombo
TOLU BALSAM—50 cs, Wessel, Duval & Co, Barranquilla
TONKA BEANS—14 bbls, S B Penick & Co, Belem
TUNG OIL—150 dms, Murray Oil Products Co, Shanghai—491 dms, Onyx Oil & Resin, Inc, Shanghai—265 tons, Smith-Wechman Co, Shanghai
TUNGSTEN ORE—1,133 bgs, Brown Bros-Harriman Co, Cabedelo—999 bgs, National City Bank, Cabedelo—92 bgs, National Traders, Inc, Recife—500 bgs, Philipp Bros, Fortaleza—300 bgs, D Taylor & Co, Fortaleza
TURMERIC—237 bgs, Gillespie & Co, Kingston—91 bgs, W & A Leaman, Port au Prince
TURPETH ROOT—20 bgs, S B Penick & Co, Calcutta
VALERIAN ROOT—32 bgs, J H Brown Agencies, Karachi
VETIVER OIL—1 dm, Trubek Laboratories, Port au Prince
WHITING—1,200 bgs, Taintor Trading Co, Hull
ZEDORY ROOT—32 bgs, Peek & Velsor, Bombay

Baltimore

ASBESTOS FIBER—1,280 bgs, Beira
BAUXITE—2,077 tons, Atlas Cement Co, Paramaribo
FUEL OIL—139,605 bbls, Standard Oil Co N J, Aruba
GAS OIL—40,272 bbls, Standard Oil Co N J, Aruba
PETROLEUM, CRUDE—262,519 bbls, Standard Oil Co N J, Las Piedras—78,743 bbls, Mexican Petroleum Corp., Tampico—99,791 bbls, American Bitumuls Co, Las Piedras
TAPIOCA FLOUR—1,667 bgs, H F R Dolan, Parnaiba—20,082 bgs, H F R Dolan, Rio Janeiro
ZINC CONCENTRATES—3,147 tons, Callao

Boston

BONES—2,379 bgs, International Commercial Co, Rio Grande
BONE PHOSPHATE, PRECIP—2,000 bgs, Olds & Wipple, Inc, Antwerp
GLUESTOCK—245 rolls, H Remis & Co, Barranquilla—379 bdls, 637 rolls, J Gorvers & Co, Barranquilla
OSSEIN—988 bgs, Atlantic Gelatine Co, Antwerp
QUEBRACHO EXTRACT—4,572 bgs, National Shawmut Bank, Buenos Aires—4,572 bgs, First National Bank, Buenos Aires
WHITING—1,000 bgs, Nicholas H Weitzner, Antwerp

Buffalo

DIACETYL—5 cs, Novadel Agencies, Inc, Rotterdam

Chicago

SHELLAC—200 bgs, J B Day, Calcutta

Detroit

FLEASEED—115 bgs, Parke Davis & Co, Bombay

Indianapolis

SARSAPARILLA ROOT—5 bls, Eli Lilly & Co, Kingston

Norfolk

FUEL OIL—110,000 bbls, Standard Oil Co N J, Aruba
MANGANESE ORE—1,250 tons, E J Lavino & Co, Calcutta

Peoria

ARECANUTS—80 bgs, Allair, Woodward & Co, Colombo

Philadelphia

AMBLIGONITE—1,667 bgs, Foote Mineral Co, Fortaleza
ASBESTOS FIBER—8,000 bgs, Keasbey & Mathieson Co, Beira—2,666 bgs, United States Asbestos Co, Beira
CHROME ORE—4,798,300 lbs, Vanadium Corp of America, Beira
CRESYLIC ACID—50 dms, J H Faunce, Inc, Glasgow
MANGANESE ORE—2,018 tons, E J Lavino & Co, Durban—200 tons, F W Marshall & Co, Calcutta—2,000 tons, E J Lavino & Co, Vizagapatam

Providence

SAGO FLOUR—745 bgs, Arnold, Hoffman & Co, Singapore

Rochester

GLUE—1 cs Bausch & Lomb, Hull
LAUREL LEAVES—100 bls, R T French Co, Oporto
NIGER SEED—64 bgs, R T French Co, Bombay

San Francisco

CINNAMON—261 bls, Bengor & Co, Colombo
TUNG OIL—795 tons, Pacific Vegetable Oil Co, Shanghai

Wilmington

COBALT OXIDE—100 cks, Pyrites Co, Inc, Antwerp
GLYCERIN—1,000 dms, E I du Pont de Nemours & Co, Bombay

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Heads Sales Promotion

Fuller D. Baird has been appointed sales promotion manager of the Strong Cobb division of the Standard Brands, Inc., New York. His duties will include work with all the departments of the division and the products which are developed for and sold to the agricultural, textile, food and pharmaceutical industries.

Trade Briefs

Bendix Chemical Corporation, New York, has increased its authorized capital from $20,000 to $100,000.

Pharmachem Manufacturing Corporation has been organized in New York to deal in pharmaceutical supplies and chemicals.

Nu-Era Chemical Corporation has been organized in New York to deal in pharmaceuticals and chemicals.

B. Holden, Inc., has been organized in New York to deal in drug products, pharmaceuticals and chemicals.

Empire State Association of Commerce, an organization composed chiefly of representatives from local chambers of commerce in New York State, has elected James G. Capps, of Utica, as president.

DCAT to Hear Head Of Tool Owners Union

Allen W. Rucker, organizer and president of the Tool Owners Union, will be the guest speaker at the fall luncheon meeting of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, to be held October 30 at the Pennsylvania hotel.

This will be Mr. Rucker's first address in New York since the formation of the Tool Owners Union, which is composed of men and women who own corporate securities, savings bank deposits and life insurance policies, and farmers, "small business," and professional men. Mr. Rucker is president of The Eddy-Rucker-Nichels Company, management, sales and advertising counsel, Cambridge, Mass.

Heyden Booklet Aids Selection of Salesmen

The suggestion that drug and chemical houses seek sales talent in drug stores and pharmacies has been made by Arthur F. Peterson, of the Heyden Chemical Corporation, New York, in a manual entitled "Pharmaceutical Sales Training and Professional Relations." Copies are available from the company.

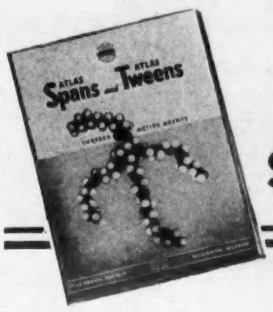
The author contends that the selling experience gained in retail pharmacies, when added to the education gained at a pharmacy college, greatly increases the value of a prospective salesman. Mr. Peterson is sales manager of his company's biologies division.

Standards Ass'n Names Information Director

The American Standards Association has appointed Frank MacMillen as director of information. He was formerly on the staff of the "New York Times," and previous to that was financial news editor for the Associated Press.

Riches-Nelson Moves

Riches-Nelson, Inc., moved on October 7 to larger quarters at 342 Madison avenue, New York 17, N. Y. Telephone number is MU 7-7267.



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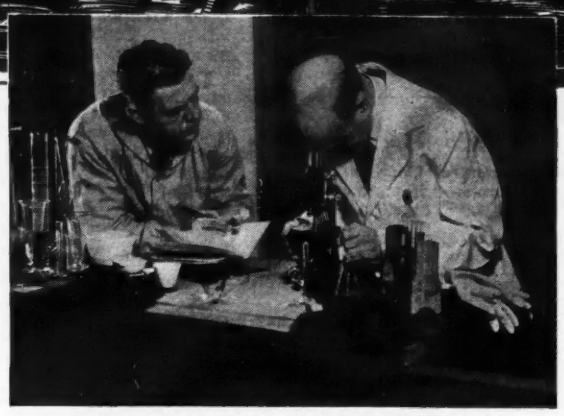

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Botanical Drugs, Spices, Gums

Demand for botanical drugs continued to show improvement last week. The trend of buying was along seasonal lines and suggested that business during the next six months was likely to reach excellent proportions. Against the very good request was the lack of normal stocks. While the holdings now in the hands of dealers were fair in size, they were not normal and even fair request will reduce them quickly to point likely to create added strength to market undertones.

Scarcities in some important condimental items were unrelieved. Such things as black, red and white peppers were in very bad shape and prices were usually higher or awaiting more demand to achieve further advances. Cinnamon was almost a total washout on this market and a new high for the current upward movement in prices was reached by the one quality that was available. Cardamoms were items of real strength, especially in the decorticated and green groups. Mace was virtually unobtainable at any price; the nominal quotation made a new high. Poppy seed tended toward a slight upward reaction. Limited price concessions were noted in anise, celery futures, fennel futures, and some mustard seeds.

Vanilla beans from the French islands and from Tahiti brought more money. Ipecac was slightly lower on betterment in supplies and a rise in competition. Senega continued to climb here in sympathy with replacement cost movemements and in keeping with the larger call.

Balsams

Peru — Reasonably steady on the spot and in very fair sized supply at prices said to be also steady.

Tolu—Stocks continued short despite the arrival of 50 cases from the primary market last week. Most merchandise reaching here has been engaged prior to landing.

Barks

Cocillana — Very firm and under seasonable demand that bids fair to continue expansion and create a large total of potential sales. The trouble will be to get adequate stocks wherewith to meet requests. Arrivals from the primary market have been light.

Cottonroot—Collection of the new crop is getting underway and if labor be sufficient, the supply should approximate the probable requirements of manufacturing consumers in the months ahead.

Orange Peel — Stocks of Haitian material gained to the extent of 46 bags that reached here from Port au Prince last week. The general price situation in this article is one of steadiness.

White Pine—Demand is slowly expanding in keeping with the period of the year but there is no superior supply of the article available and most sellers look for a fairly tight situation later in the consuming season.

Beans

Tonka—Movement was steady and routine at firm prices. An arrival of 14 barrels from the primary market was reported during the past week.

Vanilla—Prices on Bourbon beans were higher at $7 to $8.50 per pound as unsold supplies shrink and opportunities for further import of the article prove disappointing. Tahiti beans receive more attention from buyers and the market has moved up to around $4 to $4.25 per pound.

Berries

Cubeb—A reserve of stock is being created on spot by the continued arrival of moderate sized lots and the disposition of the primary market to continue the outmovement of the item. Arrivals last week totaled 190 bags from Singapore.

Juniper—Prices on spot have been leveled at values said to be well in line with the prevailing cost of replacements. Not much demand reached the local botanical dealers last week but quotations remained very steady.

Flowers

Arnica—Continued detention of arrivals—detention of 17 bags was reported last week—makes it impossible to create anything like a fair sized reserve wherewith to meet the requirements of manufacturing consumers. The market was still mainly of the nominal persuasion.

Calendula — Further increase in stocks comes slowly since the exports from European points is of the limited variety. However, dependence on supply must rest in foreign markets since domestic cultivation can hardly meet foreign prices as now constituted.

Lavender—From Barcelona, Spain, last week came 167 bags of this material which, however, was not in very great request and the market remained generally quiet at reasonable steady prices.

Saffron—Spanish flowers were generally steady in price but interest of buyers was limited to jobbing quantities only and the total of actual sales was on the low side.

Gums

Aloe—Replacement costs were said to be usually maintained in steady position at the various sources of supply. Importations last week were a total of 60 cases, brought in for the account of a manufacturing consumer and not for warehouse stocks of dealers.

Arabic — The market remained steady around 14c. per pound below which it can hardly go unless and until there be a marked change in the present setup that establishes the minimum quotations at the primary market. Arrivals during the past

Market Trends

Prices Advanced

Drugs

Ginger, Jamaica, No. 2, ½c. per lb.
Senega root, 10c. per lb.

Other Articles

Cardamom, decorticated, 5c. per lb.
green, 5c. per lb.
Clove, Madagascar, futures, ¼c. per lb.
Zanzibar, spot, ¼c. per lb.
futures, 1c. per lb.
Cumin seed, Persian, 3c. per lb.
Syrian, futures, ½c. per lb.
Laurel, Portuguese, futures, 2½c. per lb.
good, 1c. per lb.
Turkish, futures, ½c. per lb.
Marjoram, Chilean, ¼c. per lb.
Mustard, Montana, brown, 1c. per lb.
Oriental, futures, 1c. per lb.
Washington, yellow, 1c. per lb.
Pepper, black, 10c. per lb.
white, 2c. per lb.
Pimento, Jamaica, ¼c. per lb.
Poppyseed, Danish, 1c. per lb.
Dutch, ½c. per lb.
Vanilla beans, Bourbon, 25c. per lb.
Tahiti, 25c. per lb.

Prices Reduced

Drugs

Fenugreek seed, Indian, ½c. per lb.
Ginger, Jamaica, Rhattoon, ½c. per lb.
Ipecac root, 25c. per lb.

Other Articles

Anise, Chinese, star, 1½c. per lb.
Mexican, ½c. per lb.
Syrian, 4c. per lb.
Cassia, China, selected rolls, 1½c. per lb.
extra select, broken, 4c. per lb.
Saigon, all medium, 1c. per lb.
Ceylon, No. 2, 63½c. per lb.
Dill seed, dewhiskered, ½c. per lb.
Fennel seed, Argentine, futures, 1c. per lb.
Indian, 1½c. per lb.
Poppyseed, Turkish, 1c. per lb.
Sage, Spanish, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
276.5	275.7	272.2	246.1

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended October 4, 1946

New York

Arnica flowers, 17 bags: filthy.
Cassia, 500 bales: filthy.
Chillies, 32 bags: live insects.
Coriander seed, 610 bags: excreta.
Digitalis leaves, 50 drums: contains manure.
Juniper berries, 50 bags: contains manure.
Ocotea cymbarum oil, 45 drums: drums not properly labeled.
Olive oil, 34 drums: decomposed.
Rhubarb, 12 cases: filthy.
Turmeric, 56 bags: filthy.

Philadelphia

Black pepper, 173 bags; excessive siftings.

For Late Market Developments, See Page 4

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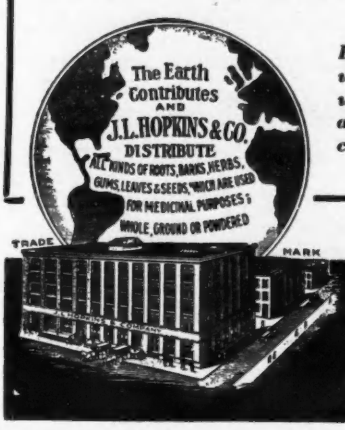
Hopkins' Vacuum-Made Powdered Extracts are thoroughly dried, finely powdered to uniform mesh, accurately standardized and guaranteed for purity and strength. Use of Hopkins' Powdered Extracts retains in the finished product all the natural constituents, color, flavor and aroma of the crude drug itself.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CARAWAY SEED
CELERY SEED
CHAMOMILE FLOWERS
CHAULMOOGRA OIL
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COCILLANA BARK
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COLOMBO ROOT
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DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
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HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
STROPHANTHUS SEED
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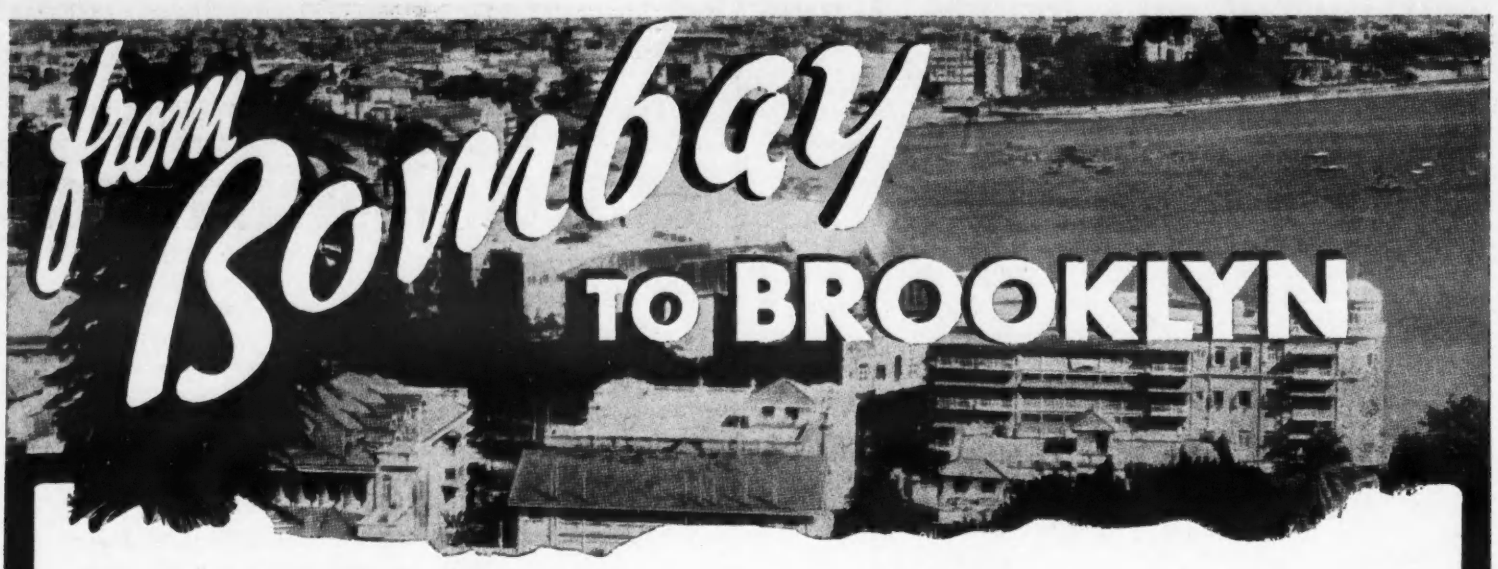

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week totaled 4,050 bags from Port Sudan.

Asafetida — Stocks are gaining slowly but sufficiently to create a market with slightly more tendency toward more competitive position. The arrival of 176 packages from Aden tended to assist this development last week.

Benzoin — Sumatra gum gradually becomes available in more directions and the tendency was for values to ease slightly when competition was a part of local sales. Arrivals last week totaled 302 cases.

Herbs and Leaves

Henbane—The market lacked special activity but, nevertheless, remained in exceptionally steady price position. During the past week, 62 bales of this article originating at Alexandria, Egypt, were added to available stocks.

Henna—The market remained firm in keeping with the absence of superior spot reserves and the prevailing firmness of prices in the replacement market. Demand was good. Importations during the past week were 41 bales from Alexandria, 147 bales from Port Sudan, and 40 bales from Bombay.

Laurel—Portuguese laurel of good quality was higher at 16c. to 16½c. per pound for spots, and futures were up to 15½c. to 16c. Turkish leaves in future delivery position were lowered to 16½c. to 17c.

Senna—Advices from primary markets stress the firmness of prices and the absence of potential change in that aspect of affairs. Demand was routine on spot but up to normal expectancy. Arrivals during the period were 44 bales from Port Sudan.

Stramonium—Steady call for moderate amounts made a very quiet spot market last week. To stocks already available were added 42 bales sent here from Buenos Aires, Argentina, and arrived last week.

Miscellaneous

Areca Nuts—Stocks of whole material were increased by the arrival of two lots, totalling 160 bags and coming from Colombo. Demand for powder was moderate but sufficient to hold prices steady.

Ergot—The market has become steadier since the recent downward revision in spot prices. Two arrivals from Oporto, Portugal, totaled 70 drums of the article. It may be noticed that this ergot was packed in required containers—air and watertight packages.

Kola Nuts—The market lacked exceptional activity so far as botanical dealers were concerned but it continued to be a very steady affair. Arrivals during the period under review totaled 55 bags from Kingston, Jamaica.

Nux Vomica—Strychnine manufacturers could benefit by the arrival of 1,282 bags of this material last week, reaching here from India.

Papain—Still holding firm on spot in keeping with the well maintained position of the article in primary markets. Stocks gained by the arrival of 21 packages last week from Colombo.

Roots

Calamus—From Calcutta, India, came 40 bales of this article last week. Little or nothing has reached here from former European sources. Demand was moderate.

Ginseng—Chinese factors in the homeland are beginning to resume interest in the importation of this article. Such inquiries reached this market last week via local Chinese banks.

Goldenseal—The collection of wild root was not very large last season and the amount of cultivated root has yet to be returned to a quantity even close to the normal output. Prices were strong.

Ipecac—Greater availability of this root is bringing a steady decline in spot questions thereon. Last week, open quotations were down to $5.50 to $5.75 per pound for whole with a premium of 25c. being asked for the root in powdered form. Arrivals during the period totaled 10 packages and 26 bags.

Rhubarb—Indian root has all but disappeared from spot supply since the detentions on arrival here caused importers to lay off further imports.

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Chinese root was in fair supply and request.

Sarsaparilla—An arrival of five bales from Kingston, Jamaica, was noted last week. Mexican root remained high in price and not very plentiful as to supply.

Senega—The tendency was still upward and sales on spot were made last week at the higher level of $2.40 to $2.50 per pound. The tendency seemed to be to make $2.50 minimum.

Squill—Stocks of red root were increased by the arrival of 554 bags last week from Algiers.

Valerian—India continues to ship to this market, the latest arrival being 32 bags sent here from Karachi.

Seeds

Anise—Star anise was down to 21½c. to 22c. per pound. Mexican was shaded to 49½c. to 50c. Syrian futures were down to 45c. to 46c.

Caraway—The feature was the appearance of Roumanian seed on this market. It became available at 23c. to 23½c. per pound, which price was much lower than those quoted on other varieties.

Cardamom—Decorticated seed advanced to $1.25 to $1.30 per pound and green was higher at $1.05 to $1.10. Bleached seed remained unchanged.

Celery—Spot prices held unchanged but futures were lower at 24c. to 24½c. per pound.

Cumin—Persian seed on the spot was advanced to 38c. to 39c. per pound, and Syrian futures were up to 37c. to 38c.

Dill—Dewhiskered seed was shaded to 10½c. to 11c. per pound.

Fennel—Indian seed in future position was reduced to 9c. to 9½c. per pound.

Fenugreek—Indian seed was down to 9c. to 9½c. per pound if the goods offered be released. Imports totaled 324 bags from Bombay, India.

Mustard—Harvesting of the Montana crop is well on its way to the end. This will permit holders of contracts soon to learn what actual deliveries against said instruments will be made. Montana brown at the source was lower at 9c. to 9½c. per pound. Oriental seed in future position at the source was shaded to 7½c. to 8c. Washington yellow was higher at 16½c. to 17c.

Poppy—Danish was higher at 26c. to 26½c. per pound, and Dutch was up to 25½c. to 26c. Turkish on spot was shaded to 22c. to 22½c.

Spices

Cassia—Selected rolls were lower at 21½c. to 22c. per pound. Saigon all medium was down to 37½c. to 38c. for spot and forward.

Cinnamon—The only firm spot price was No. 2 Ceylon which was reported sold last week at $1.20 per pound. Upwards of $1.30 was being asked.

Clove—Zanzibars on spot were higher at 15½c. to 16c. per pound and futures were up to 15⅝c. to 16c. Madagascar futures were raised a fraction to 13¾c. to 14¼c.

Ginger—No. 2 Jamaica was higher at 16c. to 16½c., but the Rhattoon grade was lower at 14c. to 14½c.

Mace—West Indian was raised to $1.10 to $1.20 per pound for spots, and broken West Indian was nominally $1.

Pepper—Black pepper was advanced to 20c. to 82c. per pound. White pepper was 70c. to 72c.

Pimento—Spot was 24c. to 24½c. per pound and futures stood at 23½c. to 24c. Sellers appear to rely on buyers for their brokerage now that Jamaican sellers get a brokerage of 25c. per bag—which is too small to share with brokers here.

Markets at Other Centers

Los Angeles, Oct. 9.—Call for botanical drugs and spices remains good here, but most producers are sold out. Prices have remained firm and unchanged.

Marjoram — French type, 35c. per pound in dried form.

Sage—Dalmatian type, 34c. per pound for lots containing less than 12 percent stems.

Savory—French type, 75c. per pound.

Sweet Basil—90c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 90c. per pound in dried and clean form.

Wesco Waterpaints, Inc., Boston, has purchased a four-story building in Trenton, N. J., to provide increased manufacturing facilities in the Metropolitan New York area.

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GUMS Chemicals and Oils
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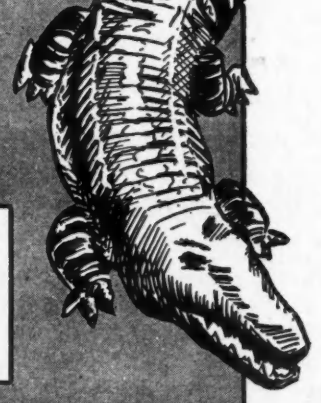

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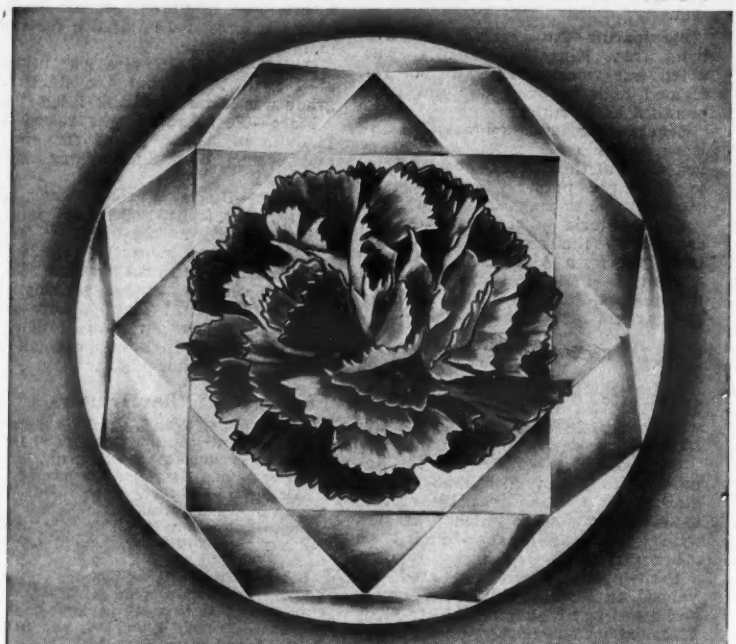

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Essential Oils, Other Aromatics

The moderate flurry in business during the previous week—a flurry which was assumed to presage a thoroughly active Fall and Winter season in essential oils and aromatic chemicals—seemed to have been premature last week, as the market was relatively quiet.

Shortages of imported oils coupled with the indefinite position of domestic mint oils tended to restrict trading to a point below that of the previous week. Some dealers continued to be limited in their shipping facilities by the final throes of the trucking strike in New York, and part of the inactivity in that market was attributed to that cause.

A few oils moved into a slightly better supply position during the week and price reductions were noted in natural Italian bergamot, pure Spanish spike, and French neroli among the imported oils.

Highlighting the week was a lower quotation on natural peppermint oil. Spearmint continued to soar in price and drop in supply as the market generally held a withdrawn position regarding that item. Cardamom, which has been tight for some time and has been subjected to the influences of rising costs in India, was advanced.

A variety of oils were imported during the week, but generally the volume of the arrivals of each oil was slightly below normal. Ocotea cymbarum in particular has been moving into the American market at a steady rate but in diminishing quantities.

Market Trends

Prices Advanced

Cardamom oil, $1 per lb.
Spearmint oil, $1.25 per lb.

Prices Reduced

Bergamot oil, natural, Italian, cns., 25c. per lb.
Lavender oil, spike, Spanish, pure, cns., 1£c. per lb.
Neroli oil, French, bots., $45 per lb.
Peppermint oil, natural, dms., 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
228.8	226.8	198.0	224.8

(For Current Prices see Page 9)

Essential Oils

Anise—Prices continued to tend downward last week as the supply situation improvement was maintained. Buyer interest was active, the majority of the inquiries centering about the lower-priced stocks. There were no actual changes in prices noted during the period under review.

Amyris—This oil has been in fairly good supply for some time, and has not been marked by any particular buyer interest. Prices have been fairly steady at the same levels for many weeks. Imports during the period under review totaled ten drums from Haiti.

Bergamot—The increasing accumulation of stocks in the United States, the first sizable quantities available for several years, promoted another downward revision of quotations in natural Italian oil last week. The oil was quoted in a range of $4.50 to $6.50 per pound, a reduction of 25c. per pound from the previous quotation. Trading was fairly active during the period, although some dealers were faced with transportation difficulties as certain trucking firms in the New York area were still strikebound.

Bois de Rose—The limited quantities and high prices of this oil severely influenced the production of linalool last week, with the result that the latter was practically unobtainable in any quantity. Interest in the oil was only moderate, and was restricted to the higher-priced stocks. There were no price changes, and ruling prices held steady.

Cardamom—There was little prospect of easing in this market last week as supplies remained tight, and an upward price revision was reported. The rising costs of the oil in India was reported to have necessitated the price increase in the American market. The increase of $1 per pound established a new range of $18 to $25 per pound.

Chaulmoogra—Another small shipment of this oil, which had not been flowing into the American market at all for many months, was reported to have arrived last week from India. The import was reported to have totaled ten drums.

Cinnamon—It was noted, during the period under review, that a few more dealers had withdrawn quotations on bark oil as the supply situation became increasingly tight. Those dealers who had the oil on hand did not vary their prices from the previous quotations.

Citronella—Continued imports of this oil continued to swell the stocks available to American consumers. Shipments which arrived in American ports last week included 100 drums from Ceylon, fifteen drums from the Netherland East Indies, two drums from Haiti, and sixteen cases from Singapore. It was reported that prices were tending to firm, although trading last week was carried on at the previous levels.

Cumin—Prices continued to firm in this oil last week, and indications were that there might be an upward price revision in the near future. Trading was fairly normal, but stocks were dwindling.

Cypress—The general feeling among dealers last week was that there could be little prospect of an improvement in the supply situation for an indefinite period. Replenishment problems were the crux of the trading curtailment, and little oil was being offered.

Dillweed—With the termination of the seasonal demand, dealers discovered that their stocks generally had been thoroughly depleted. Prices were firming last week, as only limited stocks were available for immediate delivery, and it was indicated in some quarters that price increases were expected.

Eucalyptus—Demand continued to outstrip supply last week with the result that prices were firming slightly. There were no further price increases reported after that of recent weeks, but it was felt that unless more oil became available within the next few weeks, that there might well be another rise in prices. No imports were reported during the period under review.

Lavender—Prices for Spanish spike, which had been reduced only a month previous, were lowered still further last week as the oil was quoted at $2.35 to $3.10 per pound, a reduction of 15c. per pound from the previous level. The change was a direct reflection of the improved position of shippers at the primary markets and the accumulation of stocks in American markets. Imports during the week included seven drums from Spain.

Lemongrass—Stocks of oil in American markets gradually mounted, as imports continued to arrive with heartening regularity. Buyer interest was nevertheless far in excess of the ability of dealers to satisfy the needs of all consumers. It was reported that manufacturers of citral found the oil very difficult to obtain for that purpose, and that it was felt that the cost of the natural oil was prohibitive for citral manufacturing. Imports during the period under review included eighty-three drums from India, and six drums from Haiti.

Lime—West Indian oil stocks continued to live up to expectations last week as imports included sixty-one cases from Jamaica and three drums from Haiti. Additional stocks were becoming available from other sources as well, arrival of fifty cases from the Anglo-Egyptian Sudan being reported during the period under review. Buyer interest was maintained at the previous high level, and trading was active. No further price changes were noted after the reduction of two weeks previous.

Mace—An increasing number of dealers were forced to withdraw quotations last week as stock shortages practically halted all trading in this market. It was reported that prices at primary markets continued firm, but there were no revisions in prices quoted in the American

For Late Market Developments, See Page 4

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market. No imports of either the oil or raw materials were noted during the period under review.

Neroli—There was very little activity in the market last week, the only interesting development being the widening of the price range to $150 to $390 per pound. The previous quotations had ranged from $195 to $390 per pound.

Ocotea Cymbarum—Imports of this oil continued to dwindle from week to week with the result that serious shortages were beginning to develop. Stocks from Brazil moved to American ports steadily, but there was a constant reduction in volume. Last week only twenty drums were reported to have arrived, less than half the number which were received during the previous week. Buyer interest continued at a high level, but prices were firming as the shortages increased, and it was felt that there might be an impending price increase in the near future.

Patchouli—The stock situation continued to ease slightly little by little, although the prices remained at the previous level during the period under review. Imports during the week included two drums and three cases from Singapore. It was felt in some quarters that a downward trend in prices would begin with the arrival of future shipments. Some high priced oil remained in the market, but it was reported that consumers were withholding inquiries in anticipation of lower-priced stocks.

Pennyroyal—Stocks continued tight last week, and held the prices firm at the recently increased level. It was reported that two drums of oil had arrived from Spain.

Peppermint—The final vestiges of confusion, which had been thwarting dealers and consumers alike for the past several weeks, were beginning to clear last week, and prices were lowered 25c. per pound for natural oil. The range established by the reduction was from $7.75 to $8.15 per pound. It was generally admitted that there was still a good deal of room for improvement in the situation both at the source and in the major markets of the United States, but a more clear view of the market was developing and indications were normal trading would begin to flourish in the not too distant future.

Petitgrain — The moderately high level of trading attained by this oil during recent weeks persisted last week, as buyer interest remained constant. Prices, which had been reduced 10c. per pound during the period two weeks earlier and had been fluctuating slightly during the weeks prior to that, were steady and unchanged. The only import reported during the period under review was a single drum of oil from Haiti.

Pimento—The market was relatively quiet last week as prices remained steady at the previous levels. Four drums of leaf oil were received in American ports from Jamaica during the week.

Spearmint—Prices for spearmint oil continued to rise last wek as the actual situation in the oil was clouded. The majority of dealers were maintaining their withdrawn position awaiting clarification of the availability of the oil at sources, and it was said that tentative inquiries to the growers had resulted in the news that there was no oil available. It was reported that quotations last week ranged from $12.25 to $14 for limited quantities. In general, the market had assumed an extremely cautious position while attempting to puzzle out both the present and the future.

Vetiver — Stocks remained fairly tight last week as imports failed to help the situation materially. Only import noted during the week was the arrival of one drum of oil from Haiti.

Aromatic Chemicals

The aromatic chemicals market found itself bogged down in the middle of another month of discouragement and frustration last week as hopes for improvement in at least one of the bottlenecks, which had been curtailing production for so long, were once more dashed. Labor difficulties, shortages of raw materials and containers, and equipment breakdowns persisted in spite of all the efforts the trade was making to eradicate them. Certain basic materials, such as citronella and lemongrass, were in particularly tight supply and the cost of the lots which were available made it practically impossible to manufacture profitably. Trading was limited to regular customers who were allotted whatever small stocks producers and resellers chanced to have, while other consumers were left without any materials at all. There were no price fluctuations in the static market, and buyers were definitely beginning to lose interest as prospects of relief dimmed.

Bailey Leaves Exchange Orange Products Co.

Herbert S. Bailey has retired as manager of the Exchange Orange Products Company, Los Angeles, and has been succeeded by James A. Finley, for many years superintendent at the company's Ontario plant. Chester Lindsay, for the past five years plant superintendent of a large Hawaiian canning operation, has become plant superintendent at Ontario.

Mr. Bailey was appointed manager of the company in 1924. Mr. Finley joined the firm in 1926 as a laboratory chemist and was named plant superintendent in 1929.

Penick Adds Hogan To Aromatics Staff

Walter J. Hogan, for many years a sales representative in the essential oils field, has joined the sales staff of S. B. Penick & Co., producer of botanical drugs, medicinal chemicals, and essential oils, New York, as a specialist in essential oil, aromatic chemical and food flavor materials.

Kaolin Output Up

Output of kaolin in 1945 totaled 939,988 tons, an 8 percent increase over the 1944 total of 873,056 tons, accoring to the Bureau of Mines. In 1943 the total output was 929,437 tons.

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CPA Revises Preference Ratings for Veterans

OPD Washington Bureau

To prevent the illegitimate use by other persons of veterans' preference ratings for equipment, the Civilian Production Administration has issued special restrictions on the use of these ratings and of the equipment obtained with them.

Direction 20 to Priorities Regulation 28, issued October 7, points out that CPA assigns preference ratings under PR-28 for the assistance of veterans who seek to establish new businesses. It appears that in some cases veterans are being used as "fronts" by presently established firms and other persons who are not eligible for rating assistance, the direction adds. Since equipment available in many fields is inadequate to satisfy demands, it is essential that the preferential treatment accorded veterans be protected against misuse.

The direction provides that CC ratings may be issued to veterans to obtain equipment to establish new businesses only under all the following circumstances:—(1) the veteran, or group of veterans, will actively control the business by having at least a 50 percent interest in the profits and by all being actively engaged in the operation of the business; (2) the equipment will be installed in premises which the veterans (or the corporation or partnership they control own or lease, or have made definite arrangements to buy or lease; and (3) the premises where the equipment is installed are separate from the premises of any established business in the same line.

German Pharmaceutical Study Broadened

OPD Washington Bureau

Additional information on German-developed pharmaceuticals will be gathered by four American experts, the Office of Technical Services of the Department of Commerce, has announced. While in Germany, the investigators will also study recent developments in detergents and dyes.

Three of the investigators, who left for Germany early in September, compose a team investigating the pharmaceutical, detergent, and dye industries. These experts, all sent by the Allied Chemical & Dye Corporation, Buffalo, N. Y., are Dr. Jean G. Kern, manager of application research, Dr. Irving T. Thornton, superintendent of planning for the National Aniline Division, and Dr. Bertram M. Helfaer, general superintendent of operations for the same division.

Dr. D. Roy McCullagh, Memphis, Tenn., who left September 29, will study developments in vitamins, hormones, neurology and biochemistry. Dr. McCullagh is consultant for the Schering Corporation, Bloomfield, N. J.

The investigations are directed by OTS' Technical Industrial Intelligence Division. Under the TIID investigation program American companies may send qualified technicians to Germany to study the many materials, processes, and equipment which still remain practically unexplored. The investigators' expenses are paid by their companies, and their reports are distributed by OTS.

Household Soaps Pricing Revised

Individual adjustments in the ceiling prices of household soaps and cleansers will be determined on a more liberal basis for manufacturers, the Office of Price Administration has announced. This action, effective October 14, 1946, permits the use of current indirect factory, administrative and selling costs in determining the amount of an adjustment. Previously, use of the lower of either current indirect costs or those existing in 1942 was mandatory.

OPA said the former provision was no longer fair and equitable because of the rise in per unit indirect costs as the result of currently reduced soap production, due to the shortage in fats and oils.

At the same time, OPA provided that the pricing provisions in effect for new size packs of soap that were previously required by War Production Board order will continue in effect for any new size packs that the industry may continue using even though the WPB order has recently been rescinded.

Stephens Quits British American Patents Post

OPD Washington Bureau

Harold M. Stephens has resigned as American chairman of the British-American Patents Interchange Committee, which was organized for the purpose of dealing with problems arising in connection with operations under the agreement of August 24, 1942, between this country and Great Britain, for the interchange of patent rights, information, inventions, designs or processes during the war. A final report of the work of the committee has been sent by Mr. Stevens to the Secretary of State.

Eugene F. Rogers has been appointed chief chemist of the Chemcel (Texas) plant of Celanese Corporation of America.

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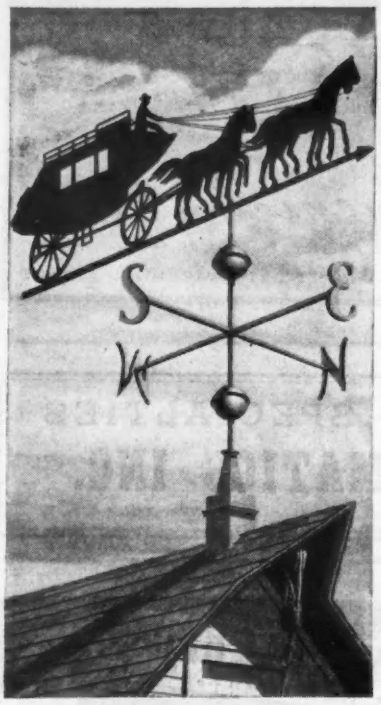

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Properties of 2462 Glyptal

Solids content	49-51%
Solvent	3-1 Xylol & Petroleum Spirits
Viscosity	Z-Z2
Color (Hellige)	1-3
Acid No. of solution	3-5
Pounds per gallon	8.0
Aliphatic solvent tolerance	Fair
Pigment compatibility	Excellent
Air dry—setting time	Fast
Baking speed	Fast
Hardness	Very Good
Flexibility	Very Good
Gloss	Good
Color retention	Excellent
Water resistance	Very Good
Oil and gasoline resistance	Excellent
Weather resistance	Excellent
Specific gravity (resin)	1.15
Phthalic anhydride (resin)	40%
Rosin or derivatives	None
Phenolic content	None
Oil acids content (resin)	37%
Type of oil	Soya

If just now you are unable to get all the Glyptal alkyd resins you want, you will be pleased to know that G.E.'s facilities for manufacturing these quality products are now being expanded to bring production into step with demand.

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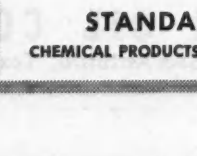

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METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CCL

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number,	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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AVERAGE COMPOSITION WEIGHT %

Average Composition Weight %	GRADE						
	AA Purified	AA*	A** Purified	A*	B Purified	B	T
Sodium sulfonate	47	56	44	53	43	36	50
Mineral oil	46	21	47	26	47	38	13
Water	5	16	7	14	4.8	18	29
Salt (Na_2SO_4)	1.8	5.1	1.8	5.1	5.0	6	6
Free alkali as NaOH	0.2	1.9	0.2	1.9	0.2	2	2

PROPERTIES

Properties	GRADE						
	AA Purified	AA*	A** Purified	A*	B Purified	B	T
Combining wt. of acid	430	430	430	430	490	490	400
Solubility in water Least (1) most (4)	3	3	2	2	1	1	4
Forms oil/water (o/w) or water/oil (w/o) emulsions	o/w	o/w	o/w	o/w	w/o	w/o	o/w

USES

Uses	GRADES						
	AA Purified	AA*	A** Purified	A*	B Purified	B	T
Emulsifying agents	X	X	X	X	—	—	X
Solubilizing, wetting and dispersion agents	X	X	X	X	X	X	X
Placticizers	X	X	X	X	—	—	—
Rust preventives	X	X	X	X	X	—	—
De-inking compositions	—	—	—	—	—	X	—
Fat splitting	—	—	—	—	—	X	X
Soluble oils	X	X	X	X	—	—	—

*In many uses the higher sulfonate content of these grades outweighs the lower salt and alkali content of the purified grades.
**Formulations using Sulfonate A emulsify somewhat less readily in hard water than those using Sulfonate AA.

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The uses shown above are illustrative—many other applications have been made in diverse fields. The hydrocarbon structure of these various sulfonates is not identical, giving minor differences in results in various uses or formulations, which makes specific comparison of samples desirable before selecting grade for commercial use.

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Protective Coatings Materials

The raw material shortages plaguing the paint market for six months, continued in full swing again last week. On the whole, the market was active with but a few products lacking the usual extensive buyer interest. Napthenates and resinates were reported in supply sufficient to meet demands. Stearates continued to remain very short and expected to become even worse.

Of prime importance last week was the removal of acetone and natural and synthetic mineral pigments from OPA control. Acetone, a product which was heavily produced during the war, was expected to be in excess during the peacetime era. However, a shortage resulted when the OPA fixed a ceiling price lower than manufacturers expected. Principally concerned by the removal of natural and synthetic mineral pigments from control were iron oxide, yellow ochres, metallic browns, burnt sienna, and umbers. Adequate supply of the domestic products, coupled with the fact that imports of these pigments from Cyprus, Turkey, and Italy are reaching this country, was the chief factor influencing OPA action. The government agency noted that prices on these pigments are stable and that during the period from July 1 to July 26, before passage of the price control extension act, prices remained stationary.

The Argentine casein situation was still being constantly watched in hopes that a lower price be quoted. Prices were reported to have ranged from 40 to 47 cents a pound which, when added to the 4 cent freight charge, made the total a great deal higher than the 40 cents set by the OPA before it decontrolled domestic casein. Producers were hesitant about quoting prices, since they did not wish to accumulate stocks of this Argentine casein, in the hope that a beneficial change would be forthcoming.

Rosin continued to bring high prices but buyer interest tapered off. The turpentine market was strong but very little supplies were being offered. tI was feared that present stocks would be consumed before the first of the year.

Market Trends

Prices Advanced

Ethyl acetate, natural, fermentation, dms., c.l., l.c.l., tanks, frt. alld., 85-88%, 2.73c. per lb. 95-98%, 3.07c. per lb. 99%, 3.26c. per lb.

Prices Reduced

Shellac, TN, 100 bgs., Boston, N. Y., 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
154.5	154.5	147.4	140.2

(For Current Prices see Page 9)

Metallic Lead and Zinc

Lead—The average daily lead output of domestic mines in August increased 12 percent over July with a total of 27,574 short tons being mined. This indicated a reversal of the previous steep downward trend which began in February. This increase was taken to be a result of the clarification of the unhealthy price situation in July because of the restoration of the Premium Price Plan on July 26.

However, lead supplies remained scarce in comparison to the heavy demand since it is impossible to produce domestically the amount required for the many reconversion purposes. Demands for lead reach far beyond 80,000 pounds monthly with the domestic output producing only about 65 percent of this amount. In the past, the remaining 30,000 pounds had been secured by imports of Australian and Mexican lead.

But the difficulty now arises in the fact that the OPA has fixed a ceiling price of 8¼c. per pound, which is far below the 10½c. per pound being asked for foreign lead. Producers see no incentive to work their mines in order to sell at the low domestic ceiling price. They seem willing to conserve their mining operations until the OPA revises their price ceilings. Manufacturers are doling out their present stocks to contract customers on a monthly quota basis. Prices remained steady.

Zinc—Production of zinc increased 37 percent over the 13-year record low of July, according to a Bureau of Mines report. This terminated a six months' downward trend in mine output, but still failed by 2,216 tons to equal the average monthly output for the first half of 1946 and was 10 percent lower than the average monthly output of 1945.

The August increase can be attributed to the settling of the uncertain price situation by the restoration of the Premium Price Plan on July 26. States leading in the August production were Arizona, Idaho, Colorado and Utah. Output in Arizona increased 700 tons for the highest monthly level to be recorded.

Eastern zinc mining states increased their August output by 2,013 tons, mainly the result of settling on August 17 the labor strike in the New Jersey mines. Total domestic output for August amounted to 46,092 short tons, surpassing the July amount by 12,547 short tons. No price changes were received.

Pigments

Consumers' demands continued to remain very heavy in this market, but manufacturers were absolutely unable to fulfill the call.

Litharge—Stocks of this commodity were practically nil, but inquiries were heavy and frequent. Whatever stocks were available were being distributed on a percentage basis to contracted buyers. There were no price changes.

Lithopone—This material was conceded to be one of the most difficult to obtain and one that was in extremely high demand. Enormous quantities were needed for the expanding extensive building program, but sufficient stocks are not available, due to the scarcity of raw materials. Zinc sulphide, a basic ingredient of lithopone was extremely hard to obtain. Prices remained constant.

Titanium Pigments—So enormous was the demand for these materials, one producer stated that his plants were operating at top capacity schedules, but were still unable to supply all consumers. Trading was very active with all stocks moving as fast as they were produced. There were no price changes effected during the period in review.

Red Lead—This market continued to remain unchanged. Stocks were moving very slowly, simply because there were hardly any available. No immediate change was anticipated. Prices remained steady.

White Lead—Domestic output and foreign imports of this material continued low and the supply of stocks on hand were almost exhausted. The outlook remained dismal and buyers and producers alike were speculating

Paint, Varnish, Lacquer Sales: August

The value of paint, varnish, lacquer and fillers in August, 1946, as reported by 680 establishments to the Bureau of Census, was $68,621,792. Details of sales reported by these establishments, with comparative data for 1945 and 1944, follow—

	Total sales reported by 680 establishments.	—Classified sales reported by 580 establishments— Trade-sales of paint, varnish, and lacquer.	Industrial sales— Total.	Paint and varnish.	Lacquer.	Unclassified sales reported by 100 establishments.
1945—August ...	51,068,306	23,383,028	22,061,685	$19,006,814	$7,054,871	$7,243,194
1946—August ...	$68,621,792	$35,316,913	$26,068,962	54,639,242	46,682,338	52,706,966
Total, 8 mos..	520,564,912	286,986,718	181,208,312	16,862,982	5,325,330	5,476,966
Total, 8 mos..	445,155,983	202,815,705	196,763,974	149,087,633	47,097,941	45,574,611
1944—August ...	58,712,041	27,990,170	24,943,254	19,094,534	5,920,720	5,778,605
Total, 8 mos..	420,500,095	208,119,621	176,107,998	131,674,948	44,432,997	41,273,659

For Late Market Developments, See Page 4

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Unsurpassed Quality.

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as to when the situation would change. There were no price changes.

Zinc Oxides—Buyer interest remained active, but the small amount of stocks foretold a light trading schedule. Shortages continued to hamper this market. Prices were unchanged for the period under review.

Dry and Chemical Colors

Announcement was made on October 9 by the Office of Price Administration that natural and synthetic mineral pigments were removed from control. This included metallic browns, red iron oxide, umbers, burnt sienna and yellow ochres.

Bone Black—Demand and buyer interest continued to remain heavy in this market. Production was reported as good with shipments only from one to two weeks behind schedule. No price changes were reported.

Channel Blacks—On October 9, the Office of Price Administration decontrolled all grades of this material at all levels of sale. The OPA stated that supply was in balance with demand and that these channel blacks were an insignificant cost in the manufacture of lacquers and paints. However, producers claim that shipments of these materials are from one to two months behind schedule. No price changes were reported over the period under review.

Iron Oxides—The market continued to remain very tight with no imports recorded over the past week. Buyer interest continued to be very active, although few stocks were available. Producers claimed that shipments were behind from two months to a year, depending on the type required. No price changes were reported.

Driers and Flatteners

Napthenates—Production in this field continued its upward surge and manufacturers reported that more than enough was on hand to satisfy the active market. One producer stated that new business was being sought as a result of the high level of stocks. The rumored price change has occurred with both an advance and decline in certain napthanate products. However, producers are desirable of circulating these prices to consumers before making them available for publication.

Resinates—An active market was reported with a good supply being offered to buyers. No price changes were reported.

Stearates—Since the addition of this commodity to the OPA control lists, some months ago, the production of stearates has steadily declined and is now at a low ebb. Manufacturers claim that the lack of raw materials—stearic acid—is the principal cause. No price changes were reported.

Lacquer Materials

Acetone — This product was removed from the OPA control list, effective October 9 since supply was judged to be in balance with demand.

Ethyl Acetate—The following are the effected price changes for natural fermentation ethyl acetate; 85 percent to 88 percent, 15.48c. per pound for carlots, 15.98c. per pound for less carlots, and 14.48c. per pound for tanks; 95 percent to 98 percent, 16.07c. per pound for carlots, 16.57c. per pound for less carlots, and 15.07c. per pound for tanks; 99 percent, 16.26c. per pound for carlots, 16.76c. per pound for less carlots, and 15.26c. per pound for tanks.

Butyl Acetate—The backward trend in production of this material continued as the lack of raw materials and the labor situation kept plaguing the market. Demand remained very high and producers were finding it increasingly difficult to supply their regularly scheduled contract customers. Shipments are declared to be anywhere from 30 to 45 days behind schedule. Prices remained steady with no change expected until the beginning of November.

Butyl Alcohol—Like other products derived from natural grains, butyl alcohol continues to lag in production. Buyer interest remained active and all stocks were eagerly sought. One pro-

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Detergent	No 44 (crushed)
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Standard 200 or 325 mesh
Fesco-Jel Drilling Mud
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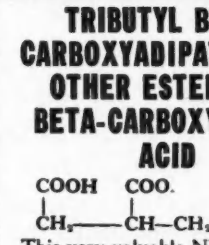

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ducer claimed that there would be no relief in this market until the famine situation throughout the world eased. Since a great part of our natural grain crops are being shipped abroad to famine-racked countries, production of this commodity would not rise until there is no longer a need for these excessive shipments. Labor troubles also continued to disrupt this market with the inevitable high prices resulting. Shipments were declared to be from 30 to 45 days behind schedule. There were no price changes recorded over the period under review.

Naval Stores

The market was materially the same as the previous week with a tendency to become even tighter. The high prices being asked for both rosin and turpentine were reported to have a discouraging effect on some buyers who are hesitant to accumulate large expensive stocks.

Rosin—As a result of the very rapid price rise of rosin since the ceiling was lifted, this market settled down as consumers were hesitant about buying so expensive a product. Fear of a runaway market caused many rumors but it was hoped that both buyers and producers would reach a satisfactory solution before the situation got totally out of hand. One producer reported that low and medium grade rosins were no longer obtainable Prices in New York ranged from $7.75 to $8.71 for carlots.

Savannah, Oct. 11.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.80	$6.80	$6.80	$6.80	$6.80
D	6.80	6.80	6.80	6.80	7.00
E	7.33	7.33	7.33	7.33	7.33
F	7.72	7.72	7.72	7.72	7.72
G	7.72	7.72	7.72	7.72	7.72
H	7.76	7.76	7.76	7.76	7.80
I	7.76	7.76	7.76	7.76	7.80
K	7.76	7.76	7.76	7.76	7.80
M	7.76	7.76	7.76	7.76	7.80
N	7.76	7.76	7.76	7.76	7.80
WG	7.76	7.76	7.76	7.76	7.80
WW	7.76	7.76	7.76	7.76	7.80
	Drums				
Sales	35	...	...	...	419
Receipts	413	675	5	69	170
Shipments	...	...	...	...	...
Stocks	12,758	13,433	13,438	13,507	13,677

Turpentine—The market continued very tight as producers tried to make ends meet with the small stocks on hand. The increase in production this season may turn out to be only one quarter of what was expected. The poor season plus the inability to obtain the mechanical materials necessary for production, disastrously cut down stocks. Some producers claim that present turpentine stocks will be consumed by the first of the year.

Savannah, Oct. 11.—Following is a record of the turpentine market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Monday	$1.05	...	69	37	3,620
Tuesday	1.05	...	2	43	4,110
Wednesday.	1.05	...	...	65	4,045
Thursday	1.05	...	142	40	4,147
Friday	1.05	...	210	443	3,914

Glues and Binders

Casein — This industry anxiously continued to watch the Argentine government in the hopes that a more beneficial price change would be made in the near future. Prices for Argentine casein were reported to range from 40c. to 47c. per pound. This coupled with the shipping charge, would make imported casein an extremely high priced product and would tend to discourage producers desiring to accumulate a large surplus stock. No prices could be quoted in New York. Shipments amounting to 3,232 bags were received from Argentina over the past week.

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Oils, Fats and Waxes

An unprecedented demand for oils and fats continued last week, but trading was practically at a standstill, because of the scarcity of current stocks and the reluctance of crushers to accept bids at ceilings for new crop oils. Livestock slaughter continued at low record levels with soapmakers and other users' inventories of grease and tallow close to the exhaustion point. Further reduction was reported in the production of soap, stearic acid and red oil. Some of the small soap manufacturers have shut down and a major company was said to have to cut output to about 25 percent of capacity and additional decreases were in prospect.

OPA authorized manufacturers of replacement linseed oil to sell at prevailing ceilings on an adjustment pricing basis, effective October 10 This action will be revoked as soon as OPA sets new price ceiling for this oil. OPA also extended the open billing sales period for linseed oil from October 7 to October 31, pending the completion of its study of transportation costs of flaxseed to crushers. Lack of oil locally, however, caused crushers to cease accepting additional business on this basis. Small stocks were held for delivery on previous orders.

Edible oils quota in the production of shortening, cooking and salad oils was placed at 88 percent for the fourth quarter of 1946, based on the average used in the corresponding quarters of 1940 and 1941 against 82 percent plus a 6 percent reserve for deficit areas during the third quarter. Oleomargarine quota remains unchanged at 95 percent. Base period for oleomargarin is the corresponding quarter of 1944.

Restrictions on the delivery of crude cottonseed, corn, peanut and soybean oils continued suspended through December 31, it was announced by the Department of Agriculture, October 10.

Market Trends

Prices Advanced

Sardine oil, crude, 1½c. per lb. refined grades, 1½c. per lb.

Prices Reduced

Carnauba wax, N. C., No. 3, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
210.0	205.8	204.6	193.3

(For Current Prices see Page 9)

Cottonseed Oil

While an active demand featured this market, trading continued light as producers were not offering and refused bids at ceilings for new crop oil. Some business was reported on a barter basis for shortening, cooking or salad oil, meat, molasses and other scarce materials in the South. Scattered shipments were reported of old crop oil against former orders. Seed movement has improved owing to favorable weather conditions.

Cotton crop was estimated at 8,724,000 bales as of October 1, by the Bureau of Agricultural Economics and was 447,000 bales less than September 1. The indicated production was the smallest since 1921 and compares with final crop of 9,015,000 bales in 1945.

Memphis, Oct. 10.—Cottonseed products demand active, with trading restricted to barter deals for shortening, meat and molasses, etc. Under these circumstances, trading is very complicated. Movement of seed has increased.

Linseed Oil

OPA authorized manufacturers of replacement linseed oil to accept business at current ceilings on an open billing basis, effective October 10. This action will be revoked as soon as OPA sets a new ceiling price. OPA also extended the open billing sales period from October 7 to October 31, pending the completion of its study of transportation costs of flaxseed crushing.

Owing to the scarcity of stocks of oil in this market, crushers discontinued taking business on an open billing basis and continued to deliver limited quantities against recent orders. Consuming demand was unprecedented for linseed and other drying oils for prompt and nearby requirements. Business, however, was inactive as supplies were unavailable.

Flaxseed crop was estimated at 23,723,000 bushels as of October 1, by the Department of Agriculture, compared with 22,842,000 bushels, September 1 and the final production of 36,688,000 bushels in 1945. Yield per acre was indicated at 9.6 bushels against 9.4 bushels a month ago.

Minneapolis, Oct. 10.—Crushing operations were at a seasonal peak with estimates of the current crush running between 75 and 80 percent of capacity. Crushers were working on old contracts —which should be cleaned up in October and November—and adopting provisional billing methods against the scattered new business being booked. Shipments from Minneapolis were at a new high mark as buyers urged immediate shipment of much needed supplies and crushers obliged with a hand-to-mouth offering. There were no contracts made for future movement of oil and the trade was waiting the delayed action of OPA on the oil price ceilings.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week.....	7,280,000	7,040,000
Since Sept. 1.....	37,220,000	39,840,000

Los Angeles, Oct. 9.—Linseed oil continued to move slowly last week. New business was at a standstill. Oil was quoted at 17.8c. per pound in tankcars.

Flaxseed — Crushers endeavored to purchase seed at ceiling, but trading was light as growers continued to hold back supplies.

Minneapolis, Oct. 10.—Flax receipts at Minneapolis during the past three weeks averaged one-third to one-half of the 1945 arrivals in the Northwest market. Demand for flaxseed was extremely good and crusher buyers were frantically trying to claim every car that came into market. Lacking a price incentive, however, or other blandishments they were unable to do much of anything about it. Truckers virtually took the flax crop away from the railroads in the September-October season and movement of seed to sub-terminal elevators as well as interior crushing plants was at a brisk pace. At the present moment the truck business is slowing up and arrivals by rail were at a low point for the week. Analysts claim farmers are holding back seed to control income for 1946 and another reason is that farmers expect higher prices for seed at the tail end of the current crop season.

	Receipts		Shipments	
Bushels—	1946-47	1945-46	1946-37	1945-46
This week	571,200	1,482,000	616,500	219,500
Since Sept. 1	4,368,100	10,068,000	1,590,000	874,600

Buenos Aires, Oct. 11.—No flaxseed shipments were made last week. Visible supply of flaxseed was not reported.

London, Oct. 11.—Linseed oil, spot, quoted at 155s. per 112 pounds.

Hull, Oct. 11.—Flaxseed, Bombay, £46½ nominal, October; Calcutta, £37 nominal, October; La Plata not quoted.

Other Vegetable Oils

Castor, Dehydrated—Production was reported moving in small quantities against former orders. Demand continued heavy, but producers were unable to accept new business. Prices were strong at ceilings.

Coconut—Conditions were firm and reflect the sold up production. Inquiry was keen, but offerings were scarce as producers were sold well ahead. It was reported that recent allocations of coconut oil totaled 75,000,000 pounds for inedible and 25,000,000 pounds for edible use.

Copra import ceilings at Atlantic and Gulf Coast ports were increased 70 cents per short ton to $116.20 per short ton and the c.i.f. ceiling on crude coconut oil shipped to those ports was raised 0.27 cents to 8.68 cents per pound by CPA, effective October 14. Six refined grades of coconut oil also were increased to reflect the normal differences in the price of crude and refined coconut oil which existed before price controls went into effect.

Corn—Production was reported sold up and delivered against former contracts. Market was firm at the higher ceilings. Demand continued active.

Oiticica—Consumers were in the market for spot and prompt deliveries, but met with little success as supplies were sold up and unobtainable. Inquiry for future delivery was moderate with offerings from Brazil still scanty.

Olive—Trading continued at a stand-

For Late Market Developments, See Page 4

still last week, with sellers refusing to accept bids at ceilings. Reports were current that some sales were transacted above ceilings, but were not confirmed. Further arrivals were noted from Spain totaling 538 drums and 625 cases for delivery against refined soybean oil exchange quota.

Peanut—Production was not in full swing yet and offerings for all positions were light. Most sales of crude oil were reported on a barter basis in return of 10,000 to 12,000 pounds of shortening or cooking oil for each tankcar of crude

Soybean—Offerings of new crop crude and refined oil were reported scarce for forward delivery. Inquiry was keen and the market was firm at the higher ceilings. Alkali refined was quoted at 14.70c. per pound tankcars f.o.b. western mills. Reports from the West stated that offerings of beans for crushing purposes continued light.

Tung—Consumers were clamoring for 3,200 tons of tung oil held up in the harbor by the maritime strike. This oil was sold before arrival. Trading was limited at ceilings for nearby delivery. Offerings for shipment from China was smaller last week, with consumers showing little interest in future requirements. Active consuming inquiry for domestic oil met with little response from producers, who were not offering. Arrivals totaled 1,350 tons and 412 drums for delivery at San Francisco and New York on the S.S. San Matro Victory.

Fats and Greases

A 1947 Spring pig goal of 58,000,000 head and an average support price for good and choice hogs of $14.25 per hundred pounds, Chicago basis for the year beginning October 1, 1946 was announced by Department of Agriculture.

Greases—Production was practically at a standstill and prospects of early improvement were not encouraging. Demand was urgent, with trading confined to small lots at ceilings. Users have curtailed production and further reductions were in prospect unless raw materials become available soon.

Lard—Business was light though demand was exceedingly heavy. Supplies were practically unavailable.

Tallow—Supply situation continued acute and it was stated that additional soap manufacturers may shut down shortly, because of the lack of animal fats. Small quantities of tallow were reported sold at ceilings.

Fish Oils

Cod—Arrivals were noted at 360 drums at New York from St. Johns, N. F., last week and were delivered against former orders. Offerings for shipment were reported scanty. Inquiry was active, but trading was quiet in view of the scarcity of supplies.

Menhaden—This market continued inactive last week. Refiners were bidding at ceilings for crude, with producers refusing to accept business. Demand for refined oil was urgent, but supplies were unavailable. OPA increased the ceiling on sardine oil 1½c. per pound, effective October 7, but the announcement did not include menhaden or herring oils. Fish meal and scrap ceiling was advanced $7 per ton, by OPA effective the same date.

Baltimore, Oct. 9.—Fair hauls of fish were reported off the coast, before stormy weather curtailed operations last week. Trading in crude oil continued inactive, with producers refusing bids at ceilings. OPA raised ceilings 1½c. per pound on sardine oil, effective October 7, but did not include herring or menhaden oils in the markup. This action was a disappointment to the eastern fishing industry.

Sardine—OPA increased the ceiling on sardine oil 1½c. per pound advancing crude oil to 10.4c. per pound, bulk, f.o.b. works Pacific coast and $7 per ton for fish meal and scrap, same basis, effective October 7. Production of oil was limited owing to the small catch of fish thus far this season.

Los Angeles, Oct. 9.—Ceilings on sardine oil were advanced 1½c. per pound, by OPA effective October 7. Trading was at a standstill. The catch for the season, including Northern and Southern California up to October 3 was 30,902 tons, compared with 151,727 tons for the same period last year.

Fatty Acids

Red Oil—Supply situation has become tighter, because of diminishing inventories of greases. Producers were not taking any new business and delivered the reduced output against former contracts. It was stated that unless raw materials inventories are replenished that producers will be forced to shut down shortly.

Stearic Acid—The same condition mentioned above prevailed in this market. Demand continued to exceed the supply, with producers confining activity to filling former orders.

Cake and Meal

Cottonseed Meal—Barter sales were reported increasing at Southern points, involving meal for sulphate of ammonia, tankage and superphosphate.

Linseed Meal—Production promptly taken against former contracts. Demand was urgent, but offerings were scarce.

Minneapolis, Oct. 10.—Demand for meal was far in excess of supplies and movement was brisk in all quarters. Many truckers appearing on the market with flaxseed were demanding a return load of linseed meal and country shippers generally were taking advantage of their trading position and obtaining supplies of meal in return for cars of seed dispatched to the market

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week.....	6,840,000	11,520,000
Since Sept. 1.....	43,420,000	62,460,000

Peanut-Meal—Trading was restricted to barter transactions last week. A major part of the early production, it was reported would be held for bartering during the next few months.

Waxes

Beeswax—This market was quiet, with sales limited to small lots for immediate requirements. Prices were unchanged and will hold in sympathy with the firmness in primary markets.

Candelilla—Routine trading was reported last week. Quotations were unchanged for spot stocks.

Carnauba—Resale stocks which depressed the market recently were withdrawn last week. Buying interest continued inactive and the market was dull. Inquiry for replacements continued quiet, but offerings for shipment also were lacking, with shippers asking for bids. N. C. No. 3 was reduced 2c. per pound. Yellows were in scanty supply and commanded a good inquiry, with sales restricted to small lots.

Montan—There was little interest in this product last week. Supplies on the spot were offered at former levels, with demand listless.

Ouricury—Spot stocks were available at the recent decline, with trading dull and featureless.

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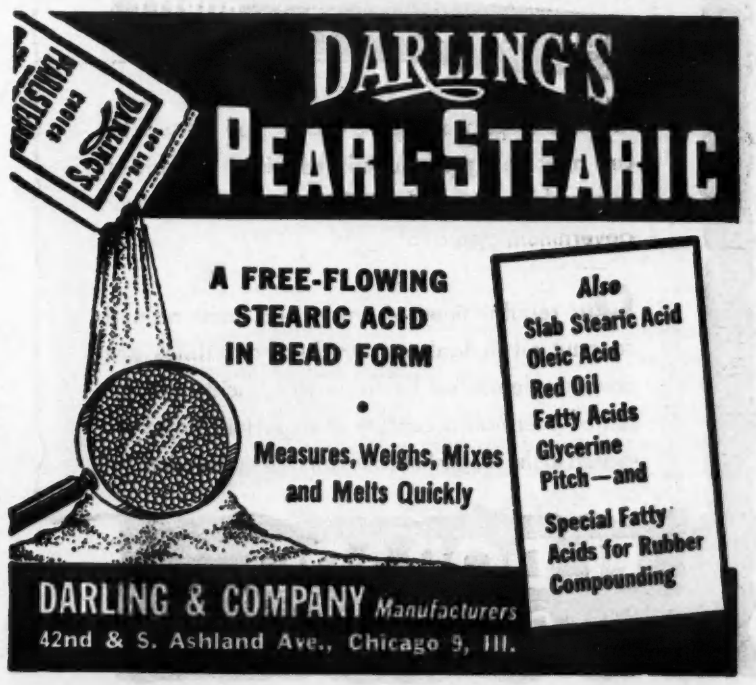

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Glidden Co. Names O'Brien to Post

W. J. O'Brien, vice-president and director of the Glidden Company, paint and varnish manufacturer, Cleveland, has been named chairman of a committee of company executives in charge of manufacturing, research and development. Committee members include three other vice-presidents, R. W. Levenhagen, Paul E. Sprague, and Dwight P. Joyce.

Mr. O'Brien, with the company for twenty-six years, has concerned himself with both managerial and research responsibilities, and has made important contributions to the development of the company's naval stores, soybean processing, powdered metals, chemicals, and pigments businesses. He has recently returned from a tour of Sweden, Denmark and Norway as a member of the Scandinavian Research and Industry Mission.

Paint, Varnish & Lacquer Association Activities

OPD Washington Bureau

The National Paint, Varnish and Lacquer Association has announced the arrangements for the men's golf tournament and the entertainment program for the annual convention to be held at the Traymore hotel, Atlantic City, N. J., November 6-9.

The golf play will be held at the Atlantic City Country Club on Saturday, November 9, at the close of the convention's business sessions. The entry fee is $10 per person, which includes greens fee, supper and gratuities.

The entertainment program will start November 6 with a ladies' "get acquainted" tea party at 2:30 p.m., and a "Night in Paris" cabaret at 9 p.m. Ladies' luncheon, bridge, gold and other games will start at noon of November 7 and the annual banquet will be held in the Traymore at 7 o'clock that evening. A buffet supper and the awarding of golf prizes will be held at 5 p.m. November 9.

Chicago

The Pennsylvania Railroad will operate a special section of one of its crack trains, the "Admiral," under the auspices of the Chicago paint club, for the accommodation of members of the industry from Chicago and the West who will be attending the convention. The special will depart at 2:30 p.m. Sunday, November 3, and will arrive in Atlantic City the following morning. Reservations should be made with H. V. McGovern, passenger representative, Pennsylvania Railroad, Sixteen South LaSalle street, Chicago 3.

Detroit

The first fall meeting of the Detroit paint club was held at the Wardell Sheraton hotel, October 7. Dr. Kenneth Corrigan, director of research in the x-ray department of Harper hospital, was guest speaker and discussed the development and application of atomic energy.

Minneapolis-St. Paul

J. M. Olson, of the Minnesota Mining & Manufacturing Company, St. Paul, was elected president of the Minneapolis-St. Paul club for the 1946-47 season. Other officers elected were vice-president, S. P. Viehl, The Glidden Company; treasurer, A. M. Maxsom, Pittsburgh Plate Glass Company, and secretary, W. F. Holen, W. H. Barber Company.

Toledo

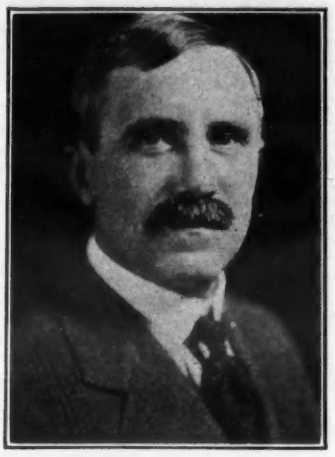
The Toledo Paint, Varnish and Lacquer Association recently elected C. W. Blum, the Dolphin Paint & Varnish Company, president for 1946-47; John G. Ludey, National Lead Company, vice-president, and Michael J. Schwanzl, M. I. Wilcox Company, secretary-treasurer.

Mr. Blum appointed committee chairmen as follows:—H. C. Hansen, executive; T. F. Coulter, credit; H. W. Parke, entertainment; William J. Pitt, fair trade practice and advertising; P. F. Whalen, legislative; H. E. Kirk, membership; M. W. Winkle, national industrial sales, and C. M. Myers, national trade sales.

President Blum and Mr. Pitt were designated delegates to the national convention to be held at Atlantic City, N. J., November 6.

Red Rock Bottling Company, Cleveland, has transferred G. Everett Parks jr. to Youngstown, where he is in charge of sales promotion.

Leaves Paper Company



Peter G. Klotz, vice-president in charge of factory operations for the Hinde & Dauch Paper Company, Sandusky, Ohio, has retired after fifty years' continuous service with the company. Mr. Klotz was elected vice-president in 1926.

Cargill Elects Two Divisional Vice-Presidents

Cargill, Inc., announces the election of two additional divisional vice-presidents. They are Erwin E. Kelm, in charge of the grain division, and Dwayne O. Andreas, in charge of the vegetable oil division. Three new assistant vice-presidents are H. D. Watson, mechanical division; R. B. Parrott, country division, and T. T. Hale, feed division.

N.Y. Oil Trades Dinner October 31

Annual banquet of the Oil Trades Association of New York, will be held in the Waldorf-Astoria, October 31. Reception at 6:30 p.m., will be followed by dinner and a floor show. Reservations for tickets and tables must be received not later than October 28 by Gordon L. Benjamin, 17 Battery place, New York.

Gerber Products Names Stewart to Research Staff

Robert A. Stewart has joined the research staff of Gerber Products Company, manufacturer of baby foods, Fremont, Mich. He was formerly in charge of nutrition research for the Quaker Oats Company, Chicago.

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Petroleum Derivatives

Conditions in the market varied little last week from that existing during the previous week. Availability of stocks in the majority of petroleum derivatives was excellent, and consumers were making frequent inquiries and receiving prompt delivery. There were acute shortages, however, in petrolatums and waxes with dealers and consumers both expressing the belief that the situation could not possibly become worse. Paraffin wax has been the market hardest hit by shortages, and there was practically no trading in that item anywhere in the country, although buyer interest was undiminished.

The Bureau of Mines announced that the estimated daily production of domestic crude petroleum to meet demand in October was 4,771,000 barrels. The indicated demand for domestic crude oil was 4,766,000 barrels daily in the second quarter and is estimated at 4,860,000 barrels daily in the third quarter. During this six-month period the consumption of domestic crude oil exceeded the forecasts of the Bureau by about 100,000 barrels daily. The actual domestic production of crude oil amounted to 412.3 million in the first quarter and 435.4 million barrels in the second quarter. Production in the third quarter is estimated at 447 million barrels and is forecast at 437 million barrels in the fourth quarter. The estimated production for 1946 may set a new record at about 1,732 million barrels, the Bureau said.

It was reported that 205,000 barrels of fuel oil arrived in American ports from Aruba, and 106,929 barrels of crude petroleum were received from Colombia during the period under review.

Solvents and Diluents

Aromatic Naphthas — Toluol and xylol continued to be readily available in practically unlimited quantities as the general tone of the market was active. Other aromatic naphthas were in good supply and large quantities of material were moving on immediate delivery. Prices were unaffected by the continued buyer interest, and remained firm.

Cleaners' Naphtha—Interest in this market was generally high during the period under review, although seasonal consumers continued to afford the bulk of inquiries. Prices were steady at the previous levels.

Lacquer Diluent—Moderate offerings continued to move readily into the hands of consumers as the market picture did not vary materially from that which had existed in the few months past. Deliveries were maintained at a good rate for fairly large quantities, and prices remained steady at the previous levels.

Mineral Spirits—Demand was only moderately good last week in spite of the liberal offerings made available. Still there was sufficient interest and trading to hold prices steady at the previous levels.

Rubber Solvent—Fairly liberal offerings continued to be made available for immediate shipment during the period under review, and buyer interest was maintained at the previous high level. There has been no diminishing of activity in this market for several weeks, and indications were that there would be no slackening for some time. Prices were steady and unchanged.

Stoddard Solvent—Market activity continued at a rapid pace during the period under review as prices remained steady and unchanged. Contract orders were met with substantial shipments while inquiry from new consumers was on the upgrade.

V.M.&P. Naphtha—Buyers maintained an active interest last week as the material was in good supply throughout the country. There were no changes in the prices which held firm.

Markets at Other Centers

Chicago—Industrial users of these products were apparently in the market for larger quantities, at least in a considerable number of cases. The market for most of these products was holding well.

Aromatic Solvents—Call good, market firm.

Cleaners' Naphtha — Interest brisk, without price change.

Lacquer Diluent — Buying moderate, steady quotations.

Mineral Spirits — Good movement, prices holding.

Rubber Solvent—Buying heavy, no market change.

Stoddard Solvent—Orders good, steady quotations.

V.M.&P. Naphtha—Business fair, prices holding.

Los Angeles—Buying interest in all solvents and diluents continued to run high. Liberal offerings, except for rubber solvent, have made the market active.

Lighter Fractions

Butane—Large shipments of new material were moving to synthetic resin manufacturers as the derivative was in moderately good supply. Deliveries against previous contracts were regular as prices held firm at the level of recent weeks.

Heptane—Buyer interest was on the upswing last week as material was increasingly available and shipments against small lot orders improved. Inquiry for future delivery was slightly better, bordering on routine. Prices were firm and unchanged during the period under review.

Hexane—The market was generally inactive last week as the majority of trading was limited to routine. Inquiries on spot were fair to poor although deliveries were maintained at a fairly good rate. There were no price changes noted during the week.

Pentanes—Contract consumers received fairly large shipments last week as market activity was confined to routine. There were no price variations noted in the generally quiet market.

Propane — Industrial consumers seeking fuel materials lent impetus to the unusually active market last week as a large volume of stocks was moving rapidly. No price changes were effected during the period under review, and the ruling prices held firm.

Chicago—Business was good in the market for these materials while the price structure continued to hold firm and unchanged. Offerings were not overly large.

Butane—Call fair, no price change.

Heptane — Orders moderate, market steady.

Hexane—Interest good, no quotation change.

Octanes—Inquiry on uptrend, prices holding.

Pentanes—Movement fairly good, without market change.

Propane — Business reported modest, quotations firm.

Los Angeles—The supply picture remained good on the Pacific coast. Buying interest was well maintained.

Petrolatums and Waxes

Paraffin—Shortages continued to plague the trade last week as demand outstripped supply. Only a small percentage of consumers' needs were met by producers. Prices were firming although there was no change reported.

Los Angeles—Both crude and refined grades of paraffin wax remained scarce. Many orders could not be met.

Market Trends

Prices Advanced

None

Prices Reduced

None

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended September 28 totaled 223,043,000 barrels, according to the Bureau of Mines. Compared with the total of 222,664,000 barrels for the preceding week, this represented an increase of 379,000 barrels, comprising an increase of 807,000 barrels in stocks of domestic crude, and a decrease of 428,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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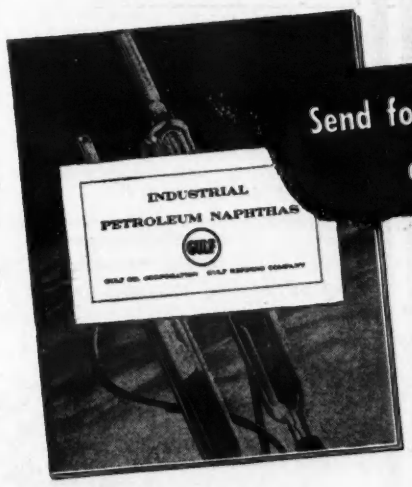

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AUTOCLAVES

1—Devine Impregnator — Jacketed 31"x36"—bolted cover.
1—Blaw-Knox Welded Steel Autoclave 125 gal.—3'x3'—Jacketed—Agitated.

COLLOID MILLS

1—Eppenbach S.S. Model C Vertical Colloid Mill—5 HP 3 phase AC motor.
2—Eppenbach S.S. Model B Vertical Colloid Mills—1½ HP AC motor.
2—U. S. Horizontal Colloid Mills (each 2 motors) 3 HP and 15 HP.
2—Charlotte No. 3 Colloid Mills S.S. and Mivel—3 HP motors.
1—Bartlett & Snow Triple Action Colloid Mill, vertical—7½ HP.
1—Charlotte Colloid Mill No. 3—with two motors 3 HP and 7 HP.
1—Premier Colloid Mill type C—5" rotor—stator—3 HP.
1—Union Viscolizer (Brass) No. 450 with 10 HP AC motor.

CONDENSERS

1—Devine Tubular Vacuum Cast Iron Surface Condenser—8"x57" with receiver 18x28.
4—Schutte Koerting Multi-Jet Barometric Condensers—varying capacities.
1—Stokes Tubular Vacuum Cast Iron Surface Condenser 12"x3' with 60 gal. receiver.
5—Aluminum Condensers — tubular type—state capacity required.
2—Bethlehem Tubular Condensers 8,463 sq. ft.—6'x15' having 4,500 tubes ⅝" O.D.

CONVEYORS

2—Belt Conveyors, complete, 18" wide—10' and 15' long.
New conveyor built to order—Belt, Roller, State, etc.
4—Redlar Conveyor Units capacity 125 tons per hour on Bauxite.

CROCKS

5—Ceramic urn shaped Crocks—275-gallon size.

CRUSHERS

Jaw Crushers, Roll Crushers, Disc Crushers, Impact Mill, Hogs, etc., state requirements.

CRUTCHERS

1—Dopp 1,500 lb. Jacketed, Agitated Crutcher.
1—Houchin 1,000 lb.—Jacketed Agitated with 5 HP.
1—Struns 1,000 lb. Jacketed Crutcher.

CUTTERS

5—Relish Cutters, Chisholm-Ryder, Buffalo, Boss, etc.
2—Ball & Jewell Rotary Cutters No. "O" and No. 2.
2—Buffalo Kraut Cutters, No. 9.
Several corn, pea, bean, and feed cutters of standard makes, state requirements.

DRYERS

5—Buffalo and Devine Vacuum Shelf Dryers—42"x42" to 60"x160".
1—Proctor & Schwartz 80 tray Steam Heated Dryer 34"x7'x6'10".
3—Rotary Dryers — Jacketed — Continuous Screw Type—each unit 4 stands high—18"x23' long.
2—Proctor & Schwartz Single Pass Apron Dryers 66"x21' long and 8'x77'.
3—Stokes Tray Dryers—Steam operated, 34"x37"x72"—16 trays.
2—Vacuum Pan Dryers, Jacketed, Agitated, 90" diameter x 44" deep.

SPECIAL

1—Thropp 42" Rubber Mill with 50 HP Motor.

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Dry Ribbon Mixers, all sizes.
Straight-Line Vacuum Fillers.
Straight-Line Syphon Fillers.
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VACUUM STILLS, KETTLES, TANKS

2—Closed Jack. agitated Kettles with coils; 1—1,200 gal., 1—900 gal.
1—1,200 gal. closed jack. Kettle or Vacuum Still.
2—Closed jack. agitated Kettles or Vacuum Stills.
1—350 gal. closed jack. agit. Kettle.
28—250 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 40" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP, ⅛" PLATE.

38—150 gallon STAINLESS STEEL TANKS.

CRYSTALLIZERS
VACUUM PAN DRYERS

3—Buflovak 6' dia. Jacketed Vacuum Pan Dryers or Crystallisers—also two of atmospheric type, same size, also jacketed and agitated—300 gallons capacity—cast iron—jackets cast integral with shells.
5—Swenson-Walker Continuous Steel Jacketed Crystallisers, Mixers or Dryers, each made up of four 24"x26"x10' long sections with heavy spiral ribbon agitators. Each unit with worm gear speed reducer.

2—20"x48" water cooled 3-ROLLER MILL.

3—Stokes "R" Single Punch TABLET MACHINES, m.d.

Only a partial listing. Space does not permit listing all items. Send us your inquiries.

GEAR REDUCERS and MIXERS

41—Phila. type HVT, Class 1, size 1100, GEAR REDUCERS, ratio 88 to 1, horsepower 16.7 at 1750 RPM.
29—Phila. MOTO-REDUCERS, with 2 HP 2 speed, totally enclosed, fan cooled and explosion-proof motors. Vertical; Output speed 87 and 29 RPM at HP 2/.67.

VACUUM PANS
(All Copper)

1—18"x48" exp., with Agitator.
1—40 gal. Burkhard, Coils and jacket.
1—150 gal. 36"x24", jacketed, agitated, with Condenser, catch-all, Vacuum Pump.
1—125 gal. 30"x30", jacketed with condenser.
1—250 gal. 40"x37", jacketed with condenser.

DRYERS

1—Devine VACUUM SHELF DRYER, 14 shelves, 40x48; also 10-SHELF DRYER, Complete.
2—A. N. 4' dia. x 9' long atmospheric double drum dryers complete.
2—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYERS complete.
2—Direct heat ROTARY DRYERS; 5'x30', 6'x35'.
6—ROTARY VACUUM DRYERS; 1—Devine, 5'x30'; 3—Devine, 4'x25'; 1—Devine, 4'x30'; 1—Struthers Wells, 30"x12'.
1—6'x38' Louisville Direct Heat single shell Rotary Dryer.
2—8'x50' Direct Heat Rotary Dryers.
1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.
2—4'x20' ROTARY KILNS, Ruggles-Coles, geared-head, motor drive.

1—Colton No. 14 FULLY AUTOMATIC TUBE FILLER, Closer and Clipping Machine.
1—Stokes No. 2 gear type TUBE FILLER.
1—Colton No. 2 worm type TUBE FILLER.
1—Stokes TUBE CLOSER & CLIPPER.
1—Colton No. 3 TUBE CLOSER and CLIP FASTENER.
2—Stokes Hand Tube Fillers.
4—Hand Closers and Crimpers.

6—NEW, UNUSED BAKER PERKINS 150 gal. capacity, 100 gal. working capacity MIXERS, equipped with double sigma blades, steam jacketed, SIZE 15, STYLE VI, TYPE BS, equipped with Hydraulic tilting device, roller bearings throughout.

1—16"x40" Lehman 3-ROLLER MILL. water cooled. motor driven, upright type.

1—250 gal. Copper jack. agit closed Kettles or Vac. Stills.
1—World straight line auto labeler, M.D.
2—Weeks McDonald straight line fully automatic LABELERS motor driven.
10—Copper & Aluminum KETTLES to 500 gal. cap.
8—World and Ermold semi-automatic Labeling Machines, MD
1—F. J. STOKES NO. 15 auger POWDER FILLER.
1—Dopp 500 gallon jacketed KETTLE.
1—J. H. Day auger FILLER.
2—Colton No. 3 TOGGLE Globule PRESSES, for making capsules.
11—250 gal. closed GLASS LINED TANKS.
1—Pneumatic Scale six head fully automatic Capping Machine.
1—Anderson No. 1 OIL EXPELLER, complete, m.d.
Approximately 500 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

MISCELLANEOUS

8—Raymond PULVERIZERS — 4-Roll High Side; Nos. 1, 0, 00, 0000, two Bowl Mills.
7—Hardinge CONICAL MILLS: 8'x30", 6'x22", silex lined; 10'x48", 8'x36", 6'x22" and 3'x8", iron lined.
6—ATTRITION MILLS, Bauer and Robinson, 22", 24", 30", 36"—motor driven.
8—Vibrating SCREENS: two 3'x6' Sturtevant 2-deck all-enclosed; three 3'x5', 4'x5' 1-deck Tyler Hummers.

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15—Stokes "R," 2¼".
1—Stokes Rotary DD82, 1 3/16".
10—Stokes Rotary D4, 31/32".
3—Colton Rotary, ¾".
1—Mulford Single Punch, 1¼".
10—Stokes "F," ¾".
5—Colton Single Punch, ¾".
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3—Oliver Filters, 3'x2', 5'4"x6'.
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4—Sharples No. 6 Centrifuges.
2—De Laval No. 600, 700 Clarifiers.
1—Tolhurst 40" Suspended type Centrifugal, solid basket, 15 HP, motor driven.
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2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
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5—Evaporators, single & quadruple effect, 500 to 10,000 sq. ft.

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6—¼ to ½ HP Portable Electric Mixers, explosion-proof motors, 400 RPM.
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1—Day 600 lb. Powder Mixer.
1—Day No. 10 Imperial Double Arm Jacketed Mixer.
5—Day, W. & P. Double Arm Mixers, ½ to 75 gal.

3—New auger type powder fillers.
2—Knapp Automatic Can Labelers.
1—Filler Machine 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, National Labelers.
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
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1—Pneumatic Scale 6 head Automatic Screw Capper
1—COLTON 4½T Single Punch Tablet Machine
1—STOKES "D" Rotary Tablet Machine
1—KUX Rotary Tablet Machine, 1" dia.
1—SPERRY Cast Iron Filter Press, 24" x 24", 44 plates, open delivery
1—DEVINE No. 9 Vacuum Shelf Dryer — 13 shelves 40" x 43" with Vacuum Pump and Condenser
1—BUFFALO Foundry Bronze Drum Dryer, 24" x 20"
1—W & P Jacketed Mixer—20 gal. capacity
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5—Stainless Steel Kettles, 80-200 gals.

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1—Chrystie 80'x45' Rot. Dryer.
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1—Raymond 3 Roller High Side Mill, complete, 65 H.P. motor.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 3'x8" Conical Ball Mill.
1—Gayco 2' Centrif Air Separator.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal Double Arm Mixer, 2 H.P. motor.
1—Abbe 24"x30" Pebble Mill.
1—Sharples No. 6 Centrifuge, 2 H.P.
4—Stainless Steel Jack. Kettles, 40 60 and 350 gals., 2 with agitators.
1—Hammer Mill, 7½ H.P.
Jeffrey 15"x8" Swing Hammer Mill.
1—Jeffrey No. 4 Single Deck Conveyor Screen.
25—New stainless Steel Tanks, 100 to 1,000 gals.
1—Howes "Mogul" Heavy Duty Packer.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec
New 40 gal. Pony Mixers.
300-ft. Ball Bearing Roller Conveyor, 12" wide.
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4—Centrifugals, 20", 26" & 40".
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1—Bonnot 27" dia. Iron Filter Press.
10—Closed Steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 250 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel mixing Tanks.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horizontal Mixers, 20 to 250 gals., Single & Double Arm.
1—Faust 150 gal. Spiral Mixer.
2—Devine Horiz. Vac. Pumps, 8"x6"x4"x6".
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless Steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders up to 22".
3—Double Stand Steel 4 Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
3—Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
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2—Double Roll Crushers
1—Williams No. 3 "Regular" type Hammer Mill.
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20—Rotary, Centrif. & Triplex Pumps.
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Taylor Gets Goodrich Plastics Output Post

Creation of a new plastics production division in The B. F. Goodrich Company, Akron, Ohio, and the appointment of Bert S. Taylor as factory manager, has been announced. Mr. Taylor had been general superintendent of the company's processing division since 1938 with the processing of plastics in the company's Akron plants under his direction.

In his new post Mr. Taylor will have charge of the new $5,000,000 plastics processing plant the company is building near Marietta, Ohio, as well as other plastic production activities.

IMMEDIATE DELIVERY

Partial List Only—

1—New 6,000 gallon stainless steel jacketed kettle with turbine agitator.
20—New stainless steel kettles, from 30 to 200 gallons.
80—New stainless steel tanks, from 50 to 200 gallons.
5—New 1,000 and 2,000 lb. dry powder mixers.
3—O. & J. Labelers.
1—Weeks McDonald automatic labeler.
5—Nettco agitator drives, type 0 and 00.
1—J. H. Day 170 gallon jacketed mixer.
1—Koven 50 gal. steel autoclave.
2—Tolhurst extractors, 32" and 42".
10—Copper kettles, 40 to 250 gallon.
1—Ingersoll Rand pump type 3RUL3 with expl. motor.
2—M. & S. Fillers, 4 and 6 stage.
1—John Ayres tablet counter.
2—50 gal. vacuum still, glass lined and copper.
5—Stokes F. T. & B. Tablet presses.
1—Stokes & Smith powder filler.

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2—Tolhurst Centrifugals, 40" and 20".
1—No. 10 Day Imperial Mixer.
5—(New) 250 gal. closed Aluminum Tanks.
3—Steel Tanks: 1880, 2000, 2880 gal.
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Statement of the ownership, management, circulation, etc., required by the Acts of Congress of August 24, 1912, and March 3, 1933, of Oil, Paint and Drug Reporter, published weekly at New York, N. Y., for October 1, 1946.

State of New York, County of New York: Before me, a notary public in and for the State and county aforesaid, personally appeared William S. Auchincloss, who, having been duly sworn according to law, deposes and says that he is the business manager of the Oil, Paint and Drug Reporter, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the act of August 24, 1912, as amended by the act of March 3, 1933, embodied in section 537, Postal Laws and Regulations, to wit:—That the names and addresses of the publisher, editor, managing editor, and business manager are:—Publisher, Schnell Publishing Company, Inc., 59 John street, New York; editor, Hugh Craig, 59 John street, New York; managing editor, Thomas S. McCarthy, 59 John street, New York; business manager, William S. Auchincloss, 59 John street, New York. That the owner is Schnell Publishing Company, Inc., 59 John street, New York. Stockholder holding 1 percent or more, Jean Schnell Auchincloss, Short Hills, N. J. That the known bondholders, mortgagees and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages or other securities are:—Not any. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company, but also in cases where the stockholder or security holder appears upon the books of the company as trustees or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association or corporation has any interest, direct or indirect, in the said stock, bonds or other securities than as so stated by him.

That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the twelve months preceding the date shown above is 8,307.

(Signed) William S. Auchincloss, Business Manager.

Sworn to and subscribed before me this 27th day of September, 1946.

(Signed) Frank C. Lehning, Notary Public. [My commission expires March 30, 1948.]

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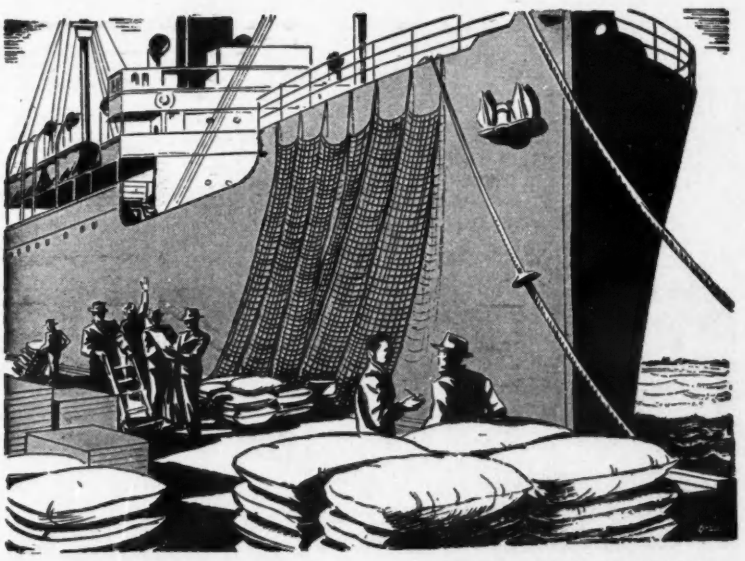

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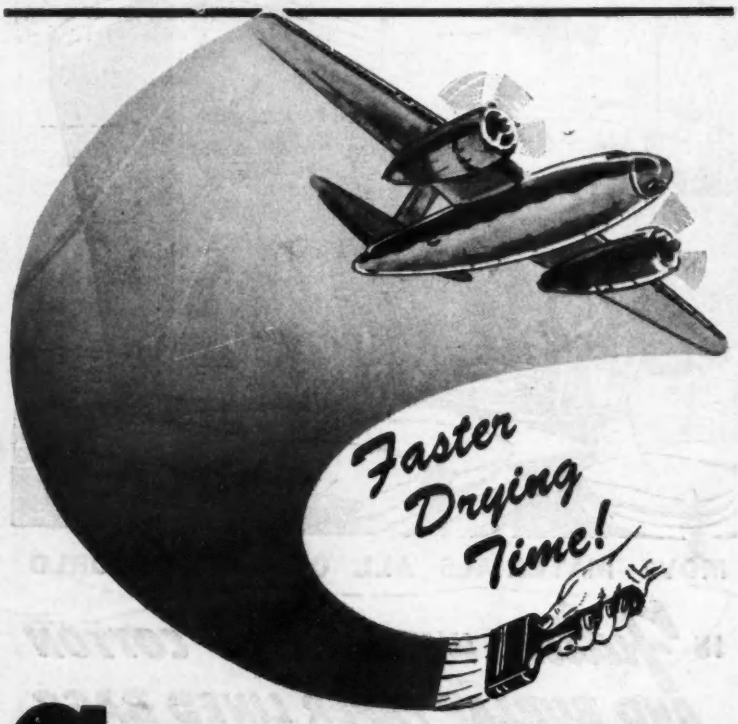

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